

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2021 Budget Estimates**

February 2020



United States Special Operations Command

Defense-Wide Justification Book Volume 1 of 2

Procurement, Defense-Wide

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

United States Special Operations Command • Budget Estimates FY 2021 • Procurement

Table of Volumes

Chemical and Biological Defense Program.....	Volume 1
Defense Contract Audit Agency.....	Volume 1
Defense Contract Management Agency.....	Volume 1
Defense Counterintelligence and Security Agency.....	Volume 1
DoD Human Resources Activity.....	Volume 1
Defense Information Systems Agency.....	Volume 1
Defense Logistics Agency.....	Volume 1
Defense Media Activity.....	Volume 1
Defense POW MIA Accounting Agency.....	Volume 1
Defense Production Act Purchases.....	Volume 1
Defense Security Cooperation Agency.....	Volume 1
Defense Threat Reduction Agency.....	Volume 1
Department of Defense Education Activity.....	Volume 1
Office of the Secretary Of Defense.....	Volume 1
The Joint Staff.....	Volume 1
United States Special Operations Command.....	Volume 1

UNCLASSIFIED

UNCLASSIFIED

United States Special Operations Command • Budget Estimates FY 2021 • Procurement

Washington Headquarters Services..... Volume 1

Missile Defense Agency..... Volume 2

UNCLASSIFIED

United States Special Operations Command • Budget Estimates FY 2021 • Procurement

Volume 1 Table of Contents

Comptroller Exhibit P-1.....Volume 1 - v

Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxi

Acronyms..... Volume 1 - xxiii

Exhibit P-40s..... Volume 1 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation -----	FY 2019 (Base + OCO) -----	FY 2020 Base Enacted -----	FY 2020 Emergency -----	FY 2020 OCO Enacted -----
Procurement, Defense-Wide	3,108,087	2,199,919		369,222
Total Defense-Wide	3,108,087	2,199,919		369,222

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation -----	FY 2020 Total Enacted (Base+Emerg+ OCO) -----	FY 2021 Base -----	FY 2021 OCO for Base Requirements -----	FY 2021 OCO for Direct War and Enduring Costs -----
Procurement, Defense-Wide	2,569,141	2,067,619		246,331
Total Defense-Wide	2,569,141	2,067,619		246,331

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation -----	FY 2021 Total OCO -----	FY 2021 Total (Base + OCO) -----
Procurement, Defense-Wide	246,331	2,313,950
Total Defense-Wide	246,331	2,313,950

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Organization: Procurement, Defense-Wide -----	FY 2019 (Base + OCO) -----	FY 2020 Base Enacted -----	FY 2020 Emergency -----	FY 2020 OCO Enacted -----
U.S., Special Operations Command, SOCOM	3,108,087	2,199,919		369,222
Total	3,108,087	2,199,919		369,222

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Organization: Procurement, Defense-Wide -----	FY 2020 Total Enacted (Base+Emerg+ OCO) -----	FY 2021 Base -----	FY 2021 OCO for Base Requirements -----	FY 2021 OCO for Direct War and Enduring Costs -----
U.S., Special Operations Command, SOCOM	2,569,141	2,067,619		246,331
Total	2,569,141	2,067,619		246,331

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Organization: Procurement, Defense-Wide -----	FY 2021 Total OCO -----	FY 2021 Total (Base + OCO) -----
U.S., Special Operations Command, SOCOM	246,331	2,313,950
Total	246,331	2,313,950

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2019 (Base + OCO) -----	FY 2020 Base Enacted -----	FY 2020 Emergency -----	FY 2020 OCO Enacted -----
02. Special Operations Command	3,108,087	2,199,919		369,222
Total Procurement, Defense-Wide	3,108,087	2,199,919		369,222

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2020 Total Enacted (Base+Emerg+ OCO) -----	FY 2021 Base -----	FY 2021 OCO for Base Requirements -----	FY 2021 OCO for Direct War and Enduring Costs -----
02. Special Operations Command	2,569,141	2,067,619		246,331
Total Procurement, Defense-Wide	2,569,141	2,067,619		246,331

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: Procurement, Defense-Wide

Budget Activity -----	FY 2021 Total OCO -----	FY 2021 Total (Base + OCO) -----
02. Special Operations Command	246,331	2,313,950
Total Procurement, Defense-Wide	246,331	2,313,950

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO) Quantity Cost	FY 2020 Base Enacted Quantity Cost	FY 2020 Emergency Quantity Cost	FY 2020 OCO Enacted Quantity Cost	S e c
Budget Activity 02: Special Operations Command							

Aviation Programs							
55	Armed Overwatch/Targeting						U
56	Manned ISR		5,000			5,000	U
57	MC-12		23,900			5,000	U
58	MH-60 Blackhawk	A	27,600			25,264	U
59	Rotary Wing Upgrades and Sustainment		148,907	172,020			U
60	Unmanned ISR	A	101,308	11,748		8,207	U
61	Non-Standard Aviation		31,731	32,310			U
62	U-28		105,723	10,898		31,500	U
63	MH-47 Chinook		157,892	171,812		34,281	U
64	CV-22 Modification		34,029	17,256			U
65	MQ-9 Unmanned Aerial Vehicle		24,621	5,338		1,900	U
66	Precision Strike Package		229,674	232,930			U
67	AC/MC-130J		163,181	143,232			U
68	C-130 Modifications		72,942	15,582			U
Shipbuilding							
69	Underwater Systems		128,816	58,991			U

P-121PB: FY 2021 President's Budget (Published Version), as of February 4, 2020 at 08:53:56

UNCLASSIFIED

Page D-4

Volume 1 - xv

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base+Emerg+ OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Budget Activity 02: Special Operations Command											

Aviation Programs											
55	Armed Overwatch/Targeting				5	101,000					U
56	Manned ISR			5,000					5,000		U
57	MC-12			5,000					5,000		U
58	MH-60 Blackhawk	A		25,264							U
59	Rotary Wing Upgrades and Sustainment			172,020		211,041					U
60	Unmanned ISR	A		19,955		25,488			8,207		U
61	Non-Standard Aviation			32,310		61,874					U
62	U-28			42,398		3,825					U
63	MH-47 Chinook			206,093		135,482					U
64	CV-22 Modification			17,256		14,829					U
65	MQ-9 Unmanned Aerial Vehicle			7,238		6,746					U
66	Precision Strike Package			232,930		243,111					U
67	AC/MC-130J			143,232		163,914					U
68	C-130 Modifications			15,582		20,414					U
Shipbuilding											
69	Underwater Systems			58,991		20,556					U

P-121PB: FY 2021 President's Budget (Published Version), as of February 4, 2020 at 08:53:56

UNCLASSIFIED

Page D-4A

Volume 1 - xvi

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2021 Total OCO Quantity	Cost	FY 2021 Total (Base + OCO) Quantity	Cost	S e c
Budget Activity 02: Special Operations Command							

Aviation Programs							
55	Armed Overwatch/Targeting				5	101,000	U
56	Manned ISR			5,000		5,000	U
57	MC-12			5,000		5,000	U
58	MH-60 Blackhawk	A					U
59	Rotary Wing Upgrades and Sustainment					211,041	U
60	Unmanned ISR	A		8,207		33,695	U
61	Non-Standard Aviation					61,874	U
62	U-28					3,825	U
63	MH-47 Chinook					135,482	U
64	CV-22 Modification					14,829	U
65	MQ-9 Unmanned Aerial Vehicle					6,746	U
66	Precision Strike Package					243,111	U
67	AC/MC-130J					163,914	U
68	C-130 Modifications					20,414	U
Shipbuilding							
69	Underwater Systems					20,556	U

P-121PB: FY 2021 President's Budget (Published Version), as of February 4, 2020 at 08:53:56

UNCLASSIFIED

Page D-4B

Volume 1 - xvii

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2019 (Base + OCO) Quantity Cost	FY 2020 Base Enacted Quantity Cost	FY 2020 Emergency Quantity Cost	FY 2020 OCO Enacted Quantity Cost	S e c
----	-----	-----	-----	-----	-----	-----	-
Ammunition Programs							
70	Ordnance Items <\$5M		417,346	273,992		138,252	U
Other Procurement Programs							
71	Intelligence Systems		105,922	100,641		16,500	U
72	Distributed Common Ground/Surface Systems		18,597	12,522			U
73	Other Items <\$5M		131,905	103,910		28	U
74	Combatant Craft Systems		19,069	48,462			U
75	Special Programs		13,789	63,467			U
76	Tactical Vehicles		142,239	111,132		2,990	U
77	Warrior Systems <\$5M		470,285	298,480		37,512	U
78	Combat Mission Requirements		29,408	19,702		10,000	U
79	Global Video Surveillance Activities		6,281	4,787			U
80	Operational Enhancements Intelligence		29,183	8,175		7,594	U
81	Operational Enhancements		468,739	282,532		45,194	U
Total Special Operations Command			3,108,087	2,199,919		369,222	
Total Procurement, Defense-Wide			3,108,087	2,199,919		369,222	

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2020 Total Enacted (Base+Emerg+ OCO)		FY 2021 Base		FY 2021 OCO for Base Requirements		FY 2021 OCO for Direct War and Enduring Costs		S e c
			Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
Ammunition Programs											
70	Ordnance Items <\$5M			412,244		186,197				105,355	U
Other Procurement Programs											
71	Intelligence Systems			117,141		94,982				16,234	U
72	Distributed Common Ground/Surface Systems			12,522		11,645					U
73	Other Items <\$5M			103,938		96,333				984	U
74	Combatant Craft Systems			48,462		17,278					U
75	Special Programs			63,467		78,865					U
76	Tactical Vehicles			114,122		30,158				2,990	U
77	Warrior Systems <\$5M			335,992		260,733				32,573	U
78	Combat Mission Requirements			29,702		19,848				10,000	U
79	Global Video Surveillance Activities			4,787		2,401					U
80	Operational Enhancements Intelligence			15,769		13,861				6,724	U
81	Operational Enhancements			327,726		247,038				53,264	U
Total Special Operations Command				2,569,141		2,067,619				246,331	
Total Procurement, Defense-Wide				2,569,141		2,067,619				246,331	

UNCLASSIFIED

UNCLASSIFIED

Defense-Wide
 FY 2021 President's Budget
 Exhibit P-1 FY 2021 President's Budget
 Total Obligational Authority
 (Dollars in Thousands)

04 Feb 2020

Appropriation: 0300D Procurement, Defense-Wide

Line No	Item Nomenclature	Ident Code	FY 2021 Total OCO Quantity	Cost	FY 2021 Total (Base + OCO) Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-
	Ammunition Programs						
70	Ordnance Items <\$5M		105,355		291,552		U
	Other Procurement Programs						
71	Intelligence Systems		16,234		111,216		U
72	Distributed Common Ground/Surface Systems				11,645		U
73	Other Items <\$5M			984	97,317		U
74	Combatant Craft Systems				17,278		U
75	Special Programs				78,865		U
76	Tactical Vehicles			2,990	33,148		U
77	Warrior Systems <\$5M		32,573		293,306		U
78	Combat Mission Requirements		10,000		29,848		U
79	Global Video Surveillance Activities				2,401		U
80	Operational Enhancements Intelligence			6,724	20,585		U
81	Operational Enhancements		53,264		300,302		U
	Total Special Operations Command		246,331		2,313,950		
	Total Procurement, Defense-Wide		246,331		2,313,950		

UNCLASSIFIED

United States Special Operations Command • Budget Estimates FY 2021 • Procurement

Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 0300D: Procurement, Defense-Wide

Line #	BA	BSA	Line Item Number	Line Item Title	Page
55	02	01	0201ARMOWT	Armed Overwatch/Targeting.....	Volume 1 - 1
56	02	01	0201MANISR	MANNED ISR.....	Volume 1 - 9
57	02	01	0201MC12	MC-12.....	Volume 1 - 13
58	02	01	0201MH60	MH-60 BLACKHAWK.....	Volume 1 - 17
59	02	01	0201RWUPGR	ROTARY WING UPGRADES AND SUSTAINMENT.....	Volume 1 - 27
60	02	01	0201UMNISR	UNMANNED ISR.....	Volume 1 - 65
61	02	01	0207NSAV	NON-STANDARD AVIATION.....	Volume 1 - 71
62	02	01	0607U28	U-28.....	Volume 1 - 79
63	02	01	0610MH47	MH-47 CHINOOK.....	Volume 1 - 85
64	02	01	1000CV2200	CV-22 MODIFICATION.....	Volume 1 - 97
65	02	01	1108MQ9	MQ-9 UNMANNED AERIAL VEHICLE.....	Volume 1 - 111
66	02	01	1202PSP	PRECISION STRIKE PACKAGE.....	Volume 1 - 115
67	02	01	2012C130J	AC/MC-130J.....	Volume 1 - 121
68	02	01	5000C13000	C-130 MODIFICATIONS.....	Volume 1 - 145
69	02	02	2010US	UNDERWATER SYSTEMS.....	Volume 1 - 149
70	02	03	0203ORD	ORDNANCE ITEMS <\$5M.....	Volume 1 - 155

UNCLASSIFIED

UNCLASSIFIED

United States Special Operations Command • Budget Estimates FY 2021 • Procurement

Appropriation 0300D: Procurement, Defense-Wide

Line #	BA	BSA	Line Item Number	Line Item Title	Page
71	02	04	020400INTL	INTELLIGENCE SYSTEMS.....	Volume 1 - 161
72	02	04	020401INTL	DISTRIBUTED COMMON GROUND/SURFACE SYSTEM.....	Volume 1 - 169
73	02	04	0204OTHER	OTHER ITEMS <\$5M.....	Volume 1 - 173
74	02	04	0204SCCS	COMBATANT CRAFT SYSTEMS.....	Volume 1 - 179
75	02	04	0204SPCPRG	SPECIAL PROGRAMS.....	Volume 1 - 183
76	02	04	0204TACVEH	TACTICAL VEHICLES.....	Volume 1 - 185
77	02	04	0204WARSYS	WARRIOR SYSTEMS <\$5M.....	Volume 1 - 189
78	02	04	0206CMR	COMBAT MISSION REQUIREMENTS.....	Volume 1 - 203
79	02	04	0607GVAS	GLOBAL VIDEO SURVEILLANCE ACTIVITIES.....	Volume 1 - 207
80	02	04	0607OEI	OPERATIONAL ENHANCEMENTS INTELLIGENCE.....	Volume 1 - 209
81	02	04	2143369000	OPERATIONAL ENHANCEMENTS.....	Volume 1 - 211

UNCLASSIFIED

ACRONYMS

Acronym	Full Naming Convention
A2/AD	Anti-Access/Area Denial
AA	Air-to-Air
AbMN	Airborne Mission Networking
ACT	AFT Cabin Trainer
AMLCD	Active Matrix Liquid Crystal Display
ADS-B	Automatic Dependent Surveillance-Broadcast
A&FC	Airworthiness and Flight Characteristics
AI	Artificial Intelligence
AISR	Airborne Intelligence, Surveillance, Reconnaissance
ALFPK	Austere Location Force Protection Kits
AM	Amplitude Modulation
AMLCD	Active Matrix Liquid Crystal Display
AMN	Airborne Mission Network
AMS	Aviation Management System
APAS	Active Parallel Actuator System
ASE	Aircraft Survivability Equipment
ASIF	All Source Information Fusion
ATD	Advanced Technology Demonstration
ATPIALS	Advanced Target Pointer Illuminator Aiming Laser System
ATW	Advanced Threat Warning
AvFID	Aviation Foreign Internal Defense
AVS	Air Variant System
AWR	Air Worthiness Release
BAA	Broad Area Announcement
BFT	Blue Force Tracking
BLOS	Beyond Line of Site
BOA	Basic Ordering Agreement
CASEVAC	Casualty Evacuation
C2	Command and Control
C3	Command, Control, and Communications
C4	Command, Control, Communications, and Computer

ACRONYMS

C4I	Command, Control, Communications, Computers, and Intelligence
C4IAS	Command, Control, Communications, and Computer Intelligence Automation Systems
CA	Civil Affairs
CAAS	Common Avionics Architecture Systems
CAR	Combat Assault Rifle
CASEVAC	Casualty Evacuation
CBA	Cost Benefit Analysis
CCFLIR	Combatant Craft Forward Looking Infrared Radar
CCA	Combatant Craft - Assault
CCH	Combatant Craft - Heavy
CCM	Combatant Craft - Medium
CCME	Combatant Craft Mission Equipment
CDR	Critical Design Review
CDU	Control Display Units
CERP	Capital Equipment Replacement Program
CFE	Contractor Furnished Equipment
CHMD	Color Helmet Mounted Display
CIO	Chief Information Officer
CIM	Civil Information Management
CIMDPS	Civil Information Management Data Processing System
CMNS	Combat Mission Needs Statement
CMS	Combat Mission Simulator
CNVD	Clip-On Night Vision Device
COD	Correction of Deficiencies
COP	Common Operational Picture
COSI	Clip-On Short Wave Infrared Imager
COTI	Clip-On Thermal Imager
COTM	Communications-on-the-Move
COTS	Commercial-Off-The-Shelf
CP	Counter-Proliferation
CPD	Capabilities Production Document
CQC	Close Quarter Combat

ACRONYMS

CT	Counter-Terrorism
C-UAS	Counter - Unmanned Aerial Systems
DAMS	Distributed Audio Media System
DCGS-SOF	Distributed Common Ground/Surface System--Special Operations Forces
DCM	Defensive Countermeasures
DCS	Dry Combat Submersible
DCU	Data Concentrator Unit
DDS	Dry Deck Shelter
DI2E	Defense Intelligence Information Environment
DOD	Department of Defense
DRWG	Distributed Common Ground/Surface System Working Group
DT	Developmental Testing
DVE	Degraded Visual Environment
DVEPS	Degraded Visual Environment Pilotage System
DWS	Defensive Weapon System
EAC	Exploitation Analysis Centers
ECM	Electronic Countermeasures
ECOS	Enhanced Combat Optical Sights
ECP	Engineering Change Proposal
EDM	Engineering Development Model
EGPWS	Enhanced Ground Proximity Warning
ELINT	Electronic Intelligence
EMD	Engineering and Manufacturing Development
ENT/ASIF	Enterprise All Source Information Fusion
EO/IR	Electro-Optical Infrared
EOSS	Electro-Optical Sensor System
EOTACS	Expeditionary Organic Tactical AISR Capability Set
ER	Extended Range
ESA	Enhanced Situational Awareness
ETI	Evolutionary Technology Insertion
EUD	End User Devices
EW	Electronic Warfare

ACRONYMS

FABS	Fly-Away Broadcast System
FAR	Federal Acquisition Regulation
FADE	Fusion Analysis and Development Effort
FCD	Field Computing Devices
FFRDC	Federally Funded Research Development Center
FDWS	Forward Defensive Weapon System
FM	Frequency Modulation
FMV	Full Motion Video
FOC	Full Operational Capability
FoS	Family of Systems
FRP	Full Rate Production
FSOV	Family of Special Operations Vehicles
FVL	Future Vertical Lift
FY	Fiscal Year
FYDP	Fiscal Year Defense Plan
GATM	Global Air Traffic Management
GCC	Geographical Combatant Commander
GCS	Ground Control Station
GEOINT	Geospatial Intelligence
GFE	Government Furnished Equipment
GIG	Global Information Grid
GMV	Ground Mobility Vehicle
GOTS	Government-Off-The-Shelf
GPPU	General Purpose Processing Units
GPS	Global Positioning System
GSK	Ground Signals Intelligence Kit
GTR	Gun Training Room
HEL	High Energy Laser
HF	High Frequency
HFIS	Hostile Fire Indicator System
HFTTL	Hostile Forces Tagging, Tracking, and Locating
HHI	Hand Held Imager

ACRONYMS

HLM	Handheld Laser Marker
IC	Intelligence Community
IDIQ	Indefinite Delivery/Indefinite Quantity
ILS	Integrated Logistics Support
IM	Insensitive Munitions
INOD	Improved Night/Day Observation/Fire Control Device
IOC	Initial Operational Capability
IPN	Installation Processing Node
IR	Infrared
IRAD	Industrial Research and Development
IRCM	Infrared Countermeasures
IRSS	Infrared Suppression System
ISP	Integrated Survey Plan
ISR	Intelligence, Surveillance and Reconnaissance
ISR&T	Intelligence, Surveillance, Reconnaissance, and Targeting
IT	Information Technology
ITMS	Integrated Tactical Mission Systems
JIE	Joint Information Environment
JOS	Joint Operational Stocks
JTAC	Joint Terminal Attack Controller
JTWS	Joint Threat Warning System
LAM	Laser Aiming Marker
LCM	Low Cost Modification
LCS	Load Carriage System
LFT&E	Live Fire Test and Evaluation
LiDAR	Light Detection and Ranging
LMAMS	Lethal Miniature Aerial Munition Systems
LOS	Line of Sight
LPI/LPD	Low Probability of Intercept/Low Probably of Detection
LRBS	Long Range Broadcast System
LRE	Long Range Endurance
LRIP	Low Rate Initial Production

ACRONYMS

LRU	Line Replaceable Unit
LSDB	Laser--Small Diameter Bomb
LTATV	Lightweight Tactical All Terrain Vehicle
LWIR	Long-Wave Infrared
MALET	Medium Altitude Long Endurance Tactical
MAAWS	Multi-Purpose Anti-Armor/Anti-Personnel Weapons System
MANET	Mobile Ad-hoc Networking
MC/COP	Mission Command/Common Operational Picture
MCE	Military Construction Collateral Equipment
MEDVAC	Medical Evacuation
MELB	Mission Enhanced Little Bird
MERIT	Military Exploitation of Reconnaissance and Intelligence Technology
MFD	Multi-Function Display
MFP	Major Force Program
MG	Machine Gun
MGS	Modular Glove System
MICH	Modular Integrated Communications Helmet
MIP	Military Intelligence Program
MIPR	Military Interdepartmental Purchase Request
MISO	Military Information Support Operations
MLE	Military Liaison Element
MMP	Multi-Mission Payload
MPE	Maritime Precision Engagement
MPU	Mission Processor Unit
MS	Milestone
MSSEP	Mobile SOF Strategic Entry Points
MTA	Middle Tier Acquisition
MTD	Mission Training Devices
MTPS	Mission Training and Preparation Systems
MTS-B	Multi-Spectral Targeting System--B
MTTE	Maritime Technology Transition and Exploitation
MWC	Mid-Water Column

ACRONYMS

MWIR	Mid-Wave Infrared
MWS	Missile Warning System
MYP	Multiyear Procurement
NDI	Non-Developmental Item
NDS	National Defense Strategy
NET	New Equipment Training
NGA	National Geospatial-Intelligence
NGFLIR	Next Generation Forward Looking Infrared Radar
NG CCFLIR	Next Generation Combatant Craft Forward Looking Infrared Radar
NGLS	Next Generation Loud Speakers
NLP	Natural Language Processing
NM	Nautical Mile
NRE	Non-Recurring Engineering
NSAV	Non-Standard Aviation
NSCV	Non-Standard Commercial Vehicle
NSSS	National Systems Support to SOF
NTM	National Technical Means
NVD	Night Vision Devices
OA	Operational Assessment
OCO	Overseas Contingency Operations
OEM	Original Equipment Manufacturer
OFP	Operational Flight Program
OT	Operational Test
OT&E	Operational Test and Evaluation
P3I	Pre-Planned Product Improvement
PCAS	Persistent Close Air Support
PCU	Protective Combat Uniform
PDR	Preliminary Design Review
PE	Program Element
PED	Processing, Exploitation, and Dissemination
PGL	Precision Geo Location
PGM	Precision Guided Munitions

ACRONYMS

PISA	Predator Integrated Signals Intelligence Architecture
PME	Prime Mission Equipment
POR	Program of Record
PSM	Personal Signature Management
PSP	Precision Strike Package
PTT	Part Task Trainer
QL-CBA	Quick-Look Capabilities-Based Assessment
RAMS	Removable Airborne Military Information Support Operations System
RC-IED	Counter Radio Controlled-Improvised Explosive Device
R&D	Research and Development
RDT&E	Research, Development, Test, and Evaluation
RECCE	Tactical Reconnaissance Kit
RF	Radio Frequency
RFCM	Radio Frequency Countermeasures
RIS	Radio Integration System
ROP	Remote Observation Post
RSTA	Reconnaissance, Surveillance, and Targeting Acquisition
RWR	Radar Warning Receiver
SA	Surface-to-Air
SAFC	Special Applications for Contingencies
SAPNET	Special Access Program Network
SATCOM	Satellite Communications
SBIR	Small Business Innovative Research
SBUD	Simulator Block Updates
SCE	Special Communications Enterprise
SCO	SOF Cryptologic Operator
SDB	Small Diameter Bomb
SDN	SOF Deployable Node
SDN-EP	SOF Deployable Node--Extension Packages
SDN-H	SOF Deployable Node-Heavy
SDN-L	SOF Deployable Node-Light
SDN-M	SOF Deployable Node-Medium

ACRONYMS

SDV	Sea, Air, Land (SEAL) Delivery Vehicle
SEAL	Sea, Air, Land
SEALION	Sea, Air, Land, Insertion Observation Neutralization
SFAC	Security Forces Assistance Craft
SGM	Small Glide Munition
SIE	Special Operations Forces Information Environment
SIGINT	Signals Intelligence
SIL	System Integration Lab
SIM	Sensor Integration Module
SIRFC	Suite of Integrated Radio Frequency Countermeasures
SKR	Silent Knight Radar
SMS	Special Mission System
SOCRATES	Special Operations Command, Research, Analysis and Threat Evaluation System
SOF	Special Operations Forces
SOF-P	Special Operations Forces--Peculiar
SOFNET	Special Operations Forces Network
SOFPREP	Special Operations Forces Planning, Rehearsal, and Execution Preparation
SOFA	Special Operations Forces Support Activity
SOMPE	Special Operations Mission Planning and Execution
SOPGM	Standoff Precision Guided Munitions
SoS	System of Systems
SPCOM	Special Communications Field Segment - Enterprise
SPEAR	SOF Personal Equipment Advanced Requirements
SPPN	Special Purpose Processing Node
SMU	Special Mission Units
SR	Special Reconnaissance
SRTV	Secure Real-Time Video
SSE	Sensitive Site Exploitation
STAMP	SOCOM Tactical Airborne Multi-Sensor Platform
STC	SOF Tactical Communications
STLD	Small Target Location Devices
STTR	Small Business Technology Transfer

ACRONYMS

STUAS	Small Tactical Unmanned Aerial Systems
SURG	Suppressed Upper Receiver Group
SWAP	Size, Weight and Power
SWCS	Shallow Water Combat Submersible
SWIR	Shortwave Infrared
TACLAN	Tactical Local Area Network
TAK	Tactical Assault Kit
TALOS	Tactical Assault Lightweight Operator Suit
TAS	Threat Awareness System
TCCC	Tactical Combat Casualty Care
TDL	Tactical Data Link
TENCAP	Tactical Exploitation of National Capabilities
TF/TA	Terrain Following/Terrain Avoidance
TOCNET	Tactical Operations Center
TMN	Tactical (Airborne) Mission Network
TMS	Tactical Mission Systems
TMMR	Technology Maturation and Risk Reduction
TPAN	Tactical Personal Area Networks
TRL	Technical Readiness Level
TSOC	Theater Special Operations Command
TTV	Team Transportable Variant
TTL	Tagging, Tracking and Locating
TV	Television
TVS/RSTA	Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition
UARC	University Affiliated Research Agreement
UAS	Unmanned Aircraft System
UAV	Unmanned Aerial Vehicle
UGS/UMS	Unattended Ground Sensors/Unattended Maritime Sensors
UHF	Ultra High Frequency
UI	User Interface
URG	Upper Receiver Groups
VAK	Virtual Accompany Kits

ACRONYMS

VAS	Visual Augmentation Systems
VAS-BM	Visual Augmentation-Binocular-Monocular
VASWA	Visual Augmentation System-Weapons Accessories
VBIED	Vehicle-Borne Improvised Explosive Device
VBL	Visible Bright Light
VBSS	Visit, Board, Search, and Seizure
VHF	Very High Frequency
VTC	Video Teleconferencing
VTOL	Vertical Take Off and Landing
WAN	Wide Area Network
WPAN	Wireless Personal Area Networks
WPNAC	Weapons Accessories

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: 1160403BB				Other Related Program Elements: 1160403BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	5	-	5	10	10	10	10	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	-	101.000	-	101.000	170.000	204.000	208.000	210.000	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	-	101.000	-	101.000	170.000	204.000	208.000	210.000	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	-	101.000	-	101.000	170.000	204.000	208.000	210.000	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: This is a New Start.</p> <p>Programmed Transferred from Air Force Light Attack Aircraft (P-1 Line Item Number OAX0001) to the United States Special Operations Command beginning with FY 2021 budget request.</p> <p>Armed Overwatch provides Special Operations Forces (SOF) deployable and sustainable aircraft systems fulfilling Close Air Support, Precision Strike, and SOF Intelligence, Surveillance & Reconnaissance (ISR) requirements in austere and permissive environments for the Countering-Violent Extremist Organizations mission. Armed Overwatch missions include: Armed ISR, Strike Coordination & Reconnaissance, and Airborne Forward Air Control. These capabilities will be pursued via rapid fielding techniques when appropriate.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: 1160403BB			Other Related Program Elements: 1160403BB			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	Armed Overwatch	P-5a, P-21			- / -	- / -	- / -	5 / 101.000	- / -	5 / 101.000
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	5 / 101.000	- / -	5 / 101.000
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
Justification: Funds are required to support the procurement and fielding of five Armed Overwatch aircraft and initial spares, and required support equipment.										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command										Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting					Item Number / Title [DODIC]: Armed Overwatch	

ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:		
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Procurement Quantity (Units in Each)	-	-	-	5	-	5
Gross/Weapon System Cost (\$ in Millions)	-	-	-	101.000	-	101.000
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	-	101.000	-	101.000
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	-	101.000	-	101.000
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares (\$ in Millions)	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway - Aircraft Cost																		
Recurring Cost																		
Aircraft ^(t)	-	-	-	-	-	-	-	-	-	20.200	5	101.000 ⁽¹⁾	-	-	-	20.200	5	101.000 ⁽²⁾
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	101.000	-	-	-	-	-	101.000
Subtotal: Flyaway - Aircraft Cost	-	-	-	-	-	-	-	-	-	-	-	101.000	-	-	-	-	-	101.000
Gross/Weapon System Cost	-	-	-	-	-	-	-	-	-	-	5	101.000	-	-	-	-	5	101.000

^(t) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Quantity/Unit Cost are initial estimates at time of publishing.

⁽²⁾ Quantity/Unit Cost are initial estimates at time of publishing.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting						Item Number / Title [DODIC]: Armed Overwatch		
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Aircraft ^(†)		2021	TBD / TBD	TBD	TBD	Aug 2021	Aug 2022	5	20.200	N		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020												
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting										Item Number / Title [DODIC]: Armed Overwatch												
Cost Elements (Units in Each)							Fiscal Year 2021										Fiscal Year 2022													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021										Calendar Year 2022															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP	
Aircraft																																
	1	2021	SOCOM	5	0	5											A -	-	-	-	-	-	-	-	-	-	-	-	-	1	-	4
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020											
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting										Item Number / Title [DODIC]: Armed Overwatch											
Cost Elements (Units in Each)							Fiscal Year 2023										Fiscal Year 2024													BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP
Aircraft																														0	
1	2021		SOCOM	5	1	4	1	-	1	-	1	1																		0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting				Item Number / Title [DODIC]: Armed Overwatch			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	1	1	5	-	-	12	12	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201MANISR / MANNED ISR					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: 1160433BB				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	23.200	5.000	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	23.200	5.000	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	23.200	5.000	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Description: This P-1 Line Item is part of the Military Intelligence Program (MIP). It includes programs which provide for Intelligence, Surveillance, and Reconnaissance (ISR) in support of irregular warfare operations. This line funds Special Operations Forces (SOF) peculiar modifications and rapid fielding to manned ISR aircraft. Primary mission emphasis is on signals intelligence, imagery, target acquisition, threat warning, threat identification, and surveillance missions. Includes avionics, sensor maintenance, peculiar support equipment, communication systems, common datalink systems, training, trainers, Mission Training Devices (MTD) and the associated ground processing, exploitation, and dissemination system. This program received FY 2019 Overseas Contingency Operations (OCO) funding (\$5.000 million) and FY 2020 Enduring OCO funding (\$5.000 million). FY 2021 funding includes OCO for Enduring Requirements (\$5.000 million). These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 0201MANISR / MANNED ISR				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: 1160433BB			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 0000										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Manned ISR				- / 23.200	- / 5.000	- / 5.000	- / -	- / 5.000	- / 5.000
P-40	Total Gross/Weapon System Cost				- / 23.200	- / 5.000	- / 5.000	- / -	- / 5.000	- / 5.000
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
Justification: FY 2021 OCO PROGRAM JUSTIFICATION: Procures low cost modifications for the Special Operations Command Tactical Airborne Multi-Sensor Platforms (STAMP).										

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201MANISR / MANNED ISR									Aggregated Items Title: Manned ISR					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Manned ISR Hardware																				
1 / Low Cost Modifications Overseas Contingency Operations (OCO)			-	-	23.200	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Subtotal: Manned ISR Hardware			-	-	23.200	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	23.200	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201MC12 / MC-12					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	116.393	23.900	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	116.393	23.900	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	116.393	23.900	5.000	-	5.000	5.000	5.000	5.000	5.000	5.100	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This P-1 Line Item is part of the Military Intelligence Program (MIP). The mission of the MC-12W/Javaman is to provide a manned fixed wing capability for tactical airborne Intelligence, Surveillance, Reconnaissance (ISR), and Targeting in support of Theater Special Operations Forces. This line funds Special Operations Forces (SOF) peculiar manned ISR aircraft modifications and associated training systems to meet evolving SOF mission requirements. There is no associated Research, Development, Test and Evaluation. These capabilities will be pursued via rapid fielding techniques when appropriate. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$23.900 million) and FY 2020 Enduring OCO funding (\$5.000 million). FY 2021 funding includes OCO for Enduring Requirements (\$5.000 million).												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 0201MC12 / MC-12				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	MC-12 Aircraft				- / 116.393	- / 23.900	- / 5.000	- / -	- / 5.000	- / 5.000
P-40	Total Gross/Weapon System Cost				- / 116.393	- / 23.900	- / 5.000	- / -	- / 5.000	- / 5.000
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

FY 2021 OCO PROGRAM JUSTIFICATION: Procures low cost modifications to United States Special Operations Command's Government Owned Contractor Operated Javaman aircraft.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201MC12 / MC-12						Aggregated Items Title: MC-12 Aircraft								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - MC-12 Modification																				
1.1 / MC-12 Modification Overseas Contingency Operations (OCO)			-	-	38.135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Global Positioning System Improvements OCO			-	-	30.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Remote Signals Intelligence (SIGINT) Operation OCO			-	-	11.408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4 / SIGINT System Upgrades OCO			-	-	7.028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5 / Dual Full Motion Video Sensor Capability - OCO			-	-	-	9.450	2	18.900	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - MC-12 Modification			-	-	86.571	-	-	18.900	-	-	-	-	-	-	-	-	-	-	-	-
2 - Low Cost Modification																				
2.1 / Low Cost Modifications - OCO			-	-	29.822	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Subtotal: 2 - Low Cost Modification			-	-	29.822	-	-	5.000	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000
Total			-	-	116.393	-	-	23.900	-	-	5.000	-	-	-	-	-	5.000	-	-	5.000

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160482BB				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	926.350	27.600	25.264	-	-	-	-	-	-	-	0.000	979.214
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	926.350	27.600	25.264	-	-	-	-	-	-	-	0.000	979.214
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	926.350	27.600	25.264	-	-	-	-	-	-	-	0.000	979.214
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	32.910	-	-	-	-	-	-	-	-	-	-	32.910
Flyaway Unit Cost (<i>\$ in Millions</i>)	17.410	11.408	8.764	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for world-wide contingency operations and low-intensity conflicts, multi-domain operations (MDO) against near peer threat environments. ARSOA utilizes 72 highly specialized MH-60 aircraft capable of world wide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. These aircraft are used to infiltrate, provide logistics for, reinforce, provide close air support, and extract SOF. The MH-60 program provides ARSOA with a single model aircraft prepared to support the SOF ground force commander into the foreseeable future. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$27.600 million) and enduring OCO for FY 2020 (\$25.264 million) to replace aircraft battle losses that occurred in FY 2017 and FY 2018. Configuration of baseline aircraft received from Army will drive the increase in costs from year-to-year in order to complete the SOF-unique conversions. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB
--	---	--

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / MH-60 BLACKHAWK	P-5a, P-21			1 / 18.600	1 / 27.600	1 / 25.264	- / -	- / -	- / -
P-40a	Modifications Prior Years				- / 907.750	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 926.350	- / 27.600	- / 25.264	- / -	- / -	- / -

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / MH-60 BLACKHAWK	P-5a, P-21			- / -	- / -	- / -	- / -	- / -	- / -
P-40a	Modifications Prior Years				- / -	- / -	- / -	- / -	- / 0.000	- / 907.750
P-40	Total Gross/Weapon System Cost				- / -	- / -	- / -	- / -	- / 0.000	- / 979.214

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2021 PROGRAM JUSTIFICATION: None.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command													Date: February 2020								
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK							Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
Procurement Quantity <i>(Units in Each)</i>				1			1			1			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				18.600			27.600			25.264			-			-			-		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				18.600			27.600			25.264			-			-			-		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				18.600			27.600			25.264			-			-			-		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements		Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total				
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)		
Hardware - Government Furnished Equipment (OCO) Cost																					
Recurring Cost																					
A Kits (OCO)		-	-	-	-	-	12.356	-	-	12.666	-	-	-	-	-	-	-	-	-		
B Kits (OCO) ^(†)		17.410	1	17.410	11.408	1	11.408	8.764	1	8.764	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost		-	-	17.410	-	-	23.764	-	-	21.430	-	-	-	-	-	-	-	-	-		
Subtotal: Hardware - Government Furnished Equipment (OCO) Cost		-	-	17.410	-	-	23.764	-	-	21.430	-	-	-	-	-	-	-	-	-		
Support - Support (OCO) Cost																					
Labor and Program Support		-	-	1.190	-	-	3.836	-	-	3.834	-	-	-	-	-	-	-	-	-		
Subtotal: Support - Support (OCO) Cost		-	-	1.190	-	-	3.836	-	-	3.834	-	-	-	-	-	-	-	-	-		
Gross/Weapon System Cost		-	1	18.600	-	1	27.600	-	1	25.264	-	-	-	-	-	-	-	-	-		
†) indicates the presence of a P-5a																					

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK				Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
B Kits (OCO) ^(†)	✓	2017	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Sep 2017	Jun 2019	1	17.410	Y		
B Kits (OCO) ^(†)	✓	2019	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Feb 2019	Oct 2021	1	11.408	Y		
B Kits (OCO) ^(†)	✓	2020	Lockheed Martin / Lexington, KY	SS / CPFF	Fort Eustis,VA	Feb 2020	Oct 2022	1	8.764	Y		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020														
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK										Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2017										Fiscal Year 2018														BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017										Calendar Year 2018																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
B Kits (OCO)																																		
✓	1	2017	SOCOM	1	0	1											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
✓	1	2019	SOCOM	1	0	1																									1			
✓	1	2020	SOCOM	1	0	1																									1			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020											
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK										Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK											
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2019										Fiscal Year 2020													BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP
B Kits (OCO)																															
✓	1	2017	SOCOM	1	0	1	-	-	-	-	-	-	-	-	1																0
✓	1	2019	SOCOM	1	0	1					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
✓	1	2020	SOCOM	1	0	1																	A	-	-	-	-	-	-	-	1
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																			Date: February 2020												
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:												Item Number / Title [DODIC]:												
0300D / 02 / 1							0201MH60 / MH-60 BLACKHAWK												1 / MH-60 BLACKHAWK												
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
B Kits (OCO)																															
✓	1	2017	SOCOM	1	1	0																									0
✓	1	2019	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	1													0
✓	1	2020	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020													
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK										Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023												Fiscal Year 2024												BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
B Kits (OCO)																																	
✓	1	2017	SOCOM	1	1	0																										0	
✓	1	2019	SOCOM	1	1	0																										0	
✓	1	2020	SOCOM	1	0	1	1																										0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command							Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK			Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Lockheed Martin - Lexington, KY	1	1	1	-	4	15	19	-	-	-	-

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK	Aggregated Modification Items Title: Modifications Prior Years
---	--	--

Item Number / Title	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Modifications Prior Years																				
Modifications Prior Years			-	-	907.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Modifications Prior Years			-	-	907.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	907.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item Number / Title	ID CD	MDAP/ MAIS Code	FY 2022			FY 2023			FY 2024			FY 2025			To Complete			Total Cost		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Modifications Prior Years																				
Modifications Prior Years			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	907.750
Subtotal: Modifications Prior Years			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	907.750
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.000	-	-	907.750

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Modification Information:

Item Number / Title	Models of Systems Affected	Modification Type
Modifications Prior Years		
Modifications Prior Years	MH-60 Blackhawk	Various

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,846.341	148.907	172.020	211.041	-	211.041	230.870	247.497	267.854	258.750	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,846.341	148.907	172.020	211.041	-	211.041	230.870	247.497	267.854	258.750	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,846.341	148.907	172.020	211.041	-	211.041	230.870	247.497	267.854	258.750	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	83.429	12.901	9.448	9.637	-	9.637	9.870	9.994	10.228	10.433	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
 Description: This P-1 Line Item provides ongoing reliability, maintainability, spares, equipment, weapons, and Aircraft Survivability Equipment (ASE) upgrades for fielded rotary wing aircraft and subsystems. These include: A/MH-6 Low Cost Modifications (LCM), A/MH-6 Block Upgrades, MH-47 Block Upgrades, MH-47 LCM, MH-60 LCM, Improved Rotary Wing Electro-Optical Sensor (IRES), formerly known as Next Generation Forward Looking Infrared (NGFLR), Secure Real Time Video (SRTV), Simulator Block Upgrades (SBUD), Commercial Spares, ASE, Special Operations Forces (SOF) Common Terrain Following/Terrain Avoidance (TF/TA), best known as Silent Knight Radar (SKR) or AN/APQ-187, Mission Processor Upgrades (MPU), MH-60M Block Upgrades, and Degraded Visual Environment (DVE) Pilotage System. SOF provide organic aviation support for worldwide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of worldwide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. These aircraft must also be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
---	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB
--	---	--

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Rotary Wing Upgrades and Sustainment				- / 1,947.604	- / 28.998	- / 25.320	- / 24.417	- / -	- / 24.417
P-3a	7 / Improved Rotary Wing Electro-Optical Sensor (IRES) (Added Capability)				- / 0.634	- / -	- / 0.948	- / 18.707	- / -	- / 18.707
P-3a	8 / Degraded Visual Environment (DVE) Pilotage System (Added Capability)				- / 20.192	- / 1.000	- / 8.590	- / 12.731	- / -	- / 12.731
P-3a	9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability)				- / 176.981	- / 57.707	- / 40.843	- / 41.657	- / -	- / 41.657
P-3a	10 / Mission Processor Upgrades (MPU) (Added Capability)				- / 132.666	- / 15.990	- / 24.173	- / 31.829	- / -	- / 31.829
P-3a	11 / Aircraft Survivability Equipment (Survivability)				- / 530.905	- / 14.013	- / 36.538	- / 43.127	- / -	- / 43.127
P-3a	12 / MH-60 Block Upgrades (Added Capability)				- / 25.048	- / 8.127	- / 8.330	- / 9.448	- / -	- / 9.448
P-3a	13 / A/MH-6 Block Upgrades (Added Capability)				- / 12.311	- / 23.072	- / 27.278	- / 29.125	- / -	- / 29.125
P-40	Total Gross/Weapon System Cost				- / 2,846.341	- / 148.907	- / 172.020	- / 211.041	- / -	- / 211.041

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Rotary Wing Upgrades and Sustainment				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	7 / Improved Rotary Wing Electro-Optical Sensor (IRES) (Added Capability)				- / 20.874	- / 21.303	- / 21.752	- / 22.208	Continuing	Continuing
P-3a	8 / Degraded Visual Environment (DVE) Pilotage System (Added Capability)				- / 13.047	- / 13.374	- / 13.617	- / 13.889	Continuing	Continuing
P-3a	9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability)				- / 42.462	- / 37.091	- / 44.340	- / 38.737	Continuing	Continuing
P-3a	10 / Mission Processor Upgrades (MPU) (Added Capability)				- / 38.933	- / 38.954	- / 41.040	- / 41.882	Continuing	Continuing
P-3a	11 / Aircraft Survivability Equipment (Survivability)				- / 55.042	- / 81.905	- / 82.903	- / 85.023	Continuing	Continuing
P-3a	12 / MH-60 Block Upgrades (Added Capability)				- / 8.163	- / 8.332	- / 8.526	- / 8.697	Continuing	Continuing
P-3a	13 / A/MH-6 Block Upgrades (Added Capability)				- / 27.817	- / 20.106	- / 29.038	- / 21.134	Continuing	Continuing
P-40	Total Gross/Weapon System Cost				- / 230.870	- / 247.497	- / 267.854	- / 258.750	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. The A/MH-6M LCM include modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), application of Commercial Engine Bulletins and Federal Aviation Administration Airworthiness directives, SOF-peculiar Engineering Change Proposals (ECP), spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command			Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A		Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB
Line Item MDAP/MAIS Code: 0000			
<p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>2. The MH-47 LCM include Army ECP modifications due to the unique configuration of SOF aircraft, SOF-peculiar ECPs, spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>3. The MH-60 LCM include modifications to the MH-60 in order to provide mission payload, greater range, SOF-peculiar ECPs, spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities including improvements over the enduring MH-60M fleet. This program supports modifications that are mission unique and time-sensitive.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>4. The SBUD program procures hardware and software updates for six high fidelity special mission aircraft flight simulators for the MH-47, MH-60, A/MH-6, and related peripheral training devices. The simulator updates provide aviators the ability to train in the exact same helicopter configuration that the unit has on the flight line, ensuring no negative habits develop through training. SBUD ensures realistic full-spectrum training and mission rehearsal capabilities that reduce risk for complex mission sets; reduce overall cost; create positive training habits; and safely recreates the stresses of live training. These training devices have the highest utilization rate across the Army Aviation enterprise, ensuring the 160th Special Operations Aviation Regiment (Airborne) (160th SOAR) meets their aviator throughput requirement by maximizing resources required to attain aircraft and mission proficiency.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues to procure software and hardware modifications for the high fidelity special mission aircraft flight simulators and associated production support. Continues modifications and upgrades for the MH-47 configuration and begins modernization updates for MH-60 configuration.</p> <p>5. Commercial Spares provides replenishment and sparing of SOF-peculiar mission equipment components for Army Special Operations Aviation (ARSOA) spare parts greater than the \$250,000 Operations & Maintenance (O&M) individual item purchase threshold. Provides for in-service replacement of items damaged beyond economical repair.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures commercial spare parts.</p> <p>6. SRTV program provides full motion video from ground or air assets to enable real-time threat assessment and to maximize effectiveness and survivability. SRTV will increase mission success and crew/platform survivability by confirming or denying that the assault plan is viable and that the offensive maneuver force is sufficient to overwhelm the enemy.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures system support to optimize SRTV system configuration. Candidate areas include a smaller, lighter-weight SRTV processor suitable for use on the A/MH-6, display applications providing flexibility to the aircrew, and transceivers compatible with evolving video formats.</p> <p>7. The IRES program, formerly known as NGFLR, procures new and increased sensor capabilities that are necessary due to obsolescence and the underperformance of sensor systems currently supporting air to ground tactics, techniques, and procedures. The improved sensor capability will have better image quality and pointing accuracy, increased spectrum, and will be lighter weight to mitigate capability gaps in currently employed sensor systems on A/MH-6, MH-60M, and MH-47G platforms. This capability will provide increased situational awareness primarily through improved target identification and target location accuracy at extended ranges.</p>			

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command			Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A		Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB
Line Item MDAP/MAIS Code: 0000			
<p>FY 2021 PROGRAM JUSTIFICATION: Procures 21 A/B Kits and provides for integrated logistics support.</p> <p>8. The DVE Pilotage System solution will fuse information from aircraft sensors and digital terrain elevation data to display real-time reference points, obstacles, and landing zone information to the aviator. The DVE solution will provide MH-47 and MH-60 aircrews with visual cues for obstacle avoidance and aircraft control during all phases of flight and significantly increase crew and passenger survivability in DVE. The AAQ-250 Brownout Camera (a sub-component of the DVE Pilotage System) is being procured and fielded as an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as GFE to the vendor once production begins on DVE Pilotage Systems.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 13 A Kits, 11 avionics integration B Kits, and production support. A Kit quantities support both MFP-2 Service-provided and MFP-11 procured B Kits.</p> <p>9. This program procures a SOF Common TF/TA SKR, spares, and ECPs. SKR provides a low-probability of intercept/low probability of detection radar to defeat advanced passive detection threats while maintaining the ability to fly safe TF. This radar is targeted for use on all MH-47G Chinook heavy assault helicopters and MH-60M medium assault helicopters. Radars for CV-22 Tilt-Rotor aircraft and MC-130J aircraft are reported by the Fixed Wing Program of Record. This radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186.</p> <p>The SKR program office will award a three-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and cost reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Titles: Rotary Wing Upgrades and Sustainment, CV-22 Modification, and AC/MC130J.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures A Kits, 9 SKR B Kits, and three initial spares.</p> <p>10. The MPU replaces the current Mission Processor (to include the Multi-Function Displays and Control Display Units) within all ARSOA aircraft. This upgrade increases software processor performance margins and enables the Operational Flight Program (OFP) to accommodate planned future updates, which include: Federal Aviation Agency Global Air Traffic Management (GATM), and Tactical Mission Networking (TMN), formerly known as Airborne Mission Network (AbMN). This program also includes upgrades to the Common Avionics Architecture System (CAAS) (MH-60/MH-47) and the Aviation Management System (AMS) (A/MH-6), which are the software backbone to the OFPs, and upgrades the current embedded Global Positioning System (GPS)/Inertial Navigation System with an all-in-view GPS card in accordance with Global Area Navigation System/GATM requirements. TMN will install ground force compatible radios to digitally exchange tactical information among participating forces culminating in an accurate, composite, and correlated picture of the entire battle space. TMN provides ARSOA airborne platforms and on-board supported forces digital connectivity with ground elements and other airborne assets to include a Common Operational Picture (COP) of hostile and friendly forces.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures both AMS and CAAS software updates; 96 General Purpose Processing Unit (GPPU) Power Supply Module B kits, TMN A Kits, B kits and 17 multi-band network radios, hardware and software integration, Non-Reoccurring Engineering MPU and TMN integration assets/support.</p> <p>11. The ASE program procures and fields critical active and passive SOF-unique ASE to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. This program includes fielding of new systems and pre-planned product improvements/upgrades of fielded ASE, addresses obsolescence issues through production based engineering change proposals, and provides technical data and fielding support and testing. Beginning in FY 2017 this program included the Suite of Integrated Radio Frequency Countermeasures (SIRFC) and Infrared Countermeasures (IRCM) programs. SIRFC is a fully integrated, modular and adaptable suite of active aircraft survivability equipment that increases combat effectiveness and potential for mission accomplishment for ARSOA aircraft. SIRFC provides state-of-the-art radar warning receivers and technologically advanced radar-jamming capabilities for increased threat detection, enhanced situational awareness, and defensive countermeasures. The Infrared Countermeasures (IRCM) program provides a low Size, Weight, and Power capability suitable for the A/MH-6 MELB with potential use on the MH-60 and MH-47 aircraft. The IRCM program fields a Department of Navy lightweight IRCM system to include a missile warning system and countermeasure capability. The IRCM program will also develop, integrate, qualify, test and field an engine exhaust heat suppressor for the A/MH-6 MELB to reduce its heat signature and reduce the risk of engagement by heat seeking missiles.</p>			

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB
Line Item MDAP/MAIS Code: 0000		
<p>FY 2021 PROGRAM JUSTIFICATION: Procures A/MH-6 IRCM 3.0 A Kits and missile warning and counter measure upgrades; SIRFC non-recurring upgrades, integration, flight, and fielding support.</p> <p>12. The MH-60M Block Upgrades program continues to modify the fleet of 72 U.S. Army SOF MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. Known upgrades include Common IRCM (CIRCM), TF/TA SKR, obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of Upturned Exhaust System (UES) II, TMN, and future mission equipment technology insertions. This program will result in the most relevant and combat effective ARSOA MH-60M platform, providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high altitude, hot temperature, heavy aircraft missions commonly required to support Overseas Contingency Operations and multi-domain operations (MDO) against near peer threat.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures Nine A Kits, Nine B Kits, system engineering, program support, and production engineering for Block upgrades to MH-60M ARSOA aircraft and modifications.</p> <p>13. A/MH-6M Block Upgrades. This modification restores structural, performance, and safety margins for the aircrews while providing an acceptable level of situational awareness in the cockpit and accommodations for rapid integration of future capabilities. This project includes modifications to ASE and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft. Installation funding is required in the fiscal year prior to aircraft induction to allow for build of installation kits.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 7 Avionics, 9 Performance, 9 Collective Trim, and 11 Integrated Airframe Shells, 4 legacy Airframe parts, and integration support.</p> <p>Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</p> <ul style="list-style-type: none"> (a) FY 2022 Cost Delta: 24.532 million (b) FY 2023 Cost Delta: 26.432 million (c) FY 2024 Cost Delta: 26.638 million (d) FY 2025 Cost Delta: 27.180 million 		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT										Aggregated Items Title: Rotary Wing Upgrades and Sustainment				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - A/MH-6M Low Cost Modifications (LCM)																				
1.1 / A/MH-6M Low Cost Modifications (LCM)			-	-	13.131	-	-	4.990	-	-	2.729	-	-	2.784	-	-	-	-	-	2.784
Subtotal: 1 - A/MH-6M Low Cost Modifications (LCM)			-	-	13.131	-	-	4.990	-	-	2.729	-	-	2.784	-	-	-	-	-	2.784
2 - MH-47 LCM																				
2.1 / LCM			-	-	16.444	-	-	2.394	-	-	2.932	-	-	2.961	-	-	-	-	-	2.961
Subtotal: 2 - MH-47 LCM			-	-	16.444	-	-	2.394	-	-	2.932	-	-	2.961	-	-	-	-	-	2.961
3 - MH-60 LCM																				
3.1 / LCM			-	-	14.821	-	-	2.537	-	-	4.569	-	-	5.418	-	-	-	-	-	5.418
Subtotal: 3 - MH-60 LCM			-	-	14.821	-	-	2.537	-	-	4.569	-	-	5.418	-	-	-	-	-	5.418
4 - Simulator Block (SBUD) Upgrades																				
5.1 / Updates			-	-	41.210	-	-	14.820	-	-	9.400	-	-	7.494	-	-	-	-	-	7.494
5.2 / Production Support			-	-	7.161	-	-	1.441	-	-	1.477	-	-	1.507	-	-	-	-	-	1.507
Subtotal: 4 - Simulator Block (SBUD) Upgrades			-	-	48.371	-	-	16.261	-	-	10.877	-	-	9.001	-	-	-	-	-	9.001
5 - Commercial Spares																				
6.1 / Commercial Spares			-	-	8.384	-	-	2.816	-	-	1.412	-	-	1.396	-	-	-	-	-	1.396
Subtotal: 5 - Commercial Spares			-	-	8.384	-	-	2.816	-	-	1.412	-	-	1.396	-	-	-	-	-	1.396
6 - Secure Real Time Video (SRTV)																				
7.1 / A/B Kits			-	-	9.760	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2 / Other Support			-	-	5.419	-	-	-	-	-	2.801	-	-	2.857	-	-	-	-	-	2.857
7.3 / Non-Recurring Engineering			-	-	6.247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6 - Secure Real Time Video (SRTV)			-	-	21.426	-	-	-	-	-	2.801	-	-	2.857	-	-	-	-	-	2.857
Prior Years Funding																				
Prior Years - Overseas Contingency Operations (OCO)			-	-	11.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prior Years - Baseline			-	-	1,813.677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Years Funding			-	-	1,825.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	1,947.604	-	-	28.998	-	-	25.320	-	-	24.417	-	-	-	-	-	24.417
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command							Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT				Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.634	-	0.948	18.707	-	18.707	20.874	21.303	21.752	22.208	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	0.634	-	0.948	18.707	-	18.707	20.874	21.303	21.752	22.208	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.634	-	0.948	18.707	-	18.707	20.874	21.303	21.752	22.208	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Improved Rotary Wing Electro-Optical Sensor (IRES) program, formerly known as Next Generation Forward Looking Infrared (NGFLR), is a commercial off the shelf (COTS)/non-developmental lighter-weight Electro-Optical Sensor System (EOSS) needed to reduce aircraft nose weight and mitigate obsolescence of the currently fielded Q2 and Q3 FLIR systems on the MH-47, MH-60, and A/MH-6 aircraft. Both assault and attack turreted systems will include multi-spectrum infrared (IR), day TV, laser spot tracker, laser range finder, and laser illuminator with the ability to fuse camera images. The attack turrets will also include a laser designator for targeting capabilities.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MH-6				Modification Type: Added Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Improved Rotary Wing Electro-Optical Sensor (IRES)													
A Kits													
Recurring													
A Kits		- / 0.634	- / -	7 / 0.948	21 / 2.625	- / -	21 / 2.625	16 / 2.000	11 / 1.375	12 / 1.500	26 / 3.250	Continuing	Continuing
Subtotal: Recurring		- / 0.634	- / -	7 / 0.948	21 / 2.625	- / -	21 / 2.625	16 / 2.000	11 / 1.375	12 / 1.500	26 / 3.250	Continuing	Continuing
B Kits													
Recurring													
Install Kits		- / -	- / -	- / -	21 / 14.255	- / -	21 / 14.255	19 / 13.825	21 / 12.705	21 / 12.580	16 / 8.980	Continuing	Continuing
Integrated Logistical Support		- / -	- / -	- / -	- / 1.827	- / -	- / 1.827	- / 5.049	- / 7.223	- / 7.672	- / 9.978	Continuing	Continuing
Subtotal: Recurring		- / -	- / -	- / -	21 / 16.082	- / -	21 / 16.082	19 / 18.874	21 / 19.928	21 / 20.252	16 / 18.958	Continuing	Continuing
Subtotal: Improved Rotary Wing Electro-Optical Sensor (IRES)		- / 0.634	- / -	7 / 0.948	42 / 18.707	- / -	42 / 18.707	35 / 20.874	32 / 21.303	33 / 21.752	42 / 22.208	Continuing	Continuing
Subtotal: Procurement, All Modification Items		- / 0.634	- / -	- / 0.948	- / 18.707	- / -	- / 18.707	- / 20.874	- / 21.303	- / 21.752	- / 22.208	Continuing	Continuing
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)		0.634	-	0.948	18.707	-	18.707	20.874	21.303	21.752	22.208	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 1: Improved Rotary Wing Electro-Optical Sensor (IRES)							
Manufacturer Information							
Manufacturer Name: TBD				Manufacturer Location: TBD			
Administrative Leadtime (in Months):				Production Leadtime (in Months): 9			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates			Dec 2020	Dec 2021	Dec 2022	Dec 2023	Dec 2024
Delivery Dates			Sep 2021	Sep 2022	Sep 2023	Sep 2024	Sep 2025
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 192		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	20.192	1.000	8.590	12.731	-	12.731	13.047	13.374	13.617	13.889	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	20.192	1.000	8.590	12.731	-	12.731	13.047	13.374	13.617	13.889	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	20.192	1.000	8.590	12.731	-	12.731	13.047	13.374	13.617	13.889	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>The Degraded Visual Environment (DVE) Pilotage System solution will fuse information from aircraft sensors and digital terrain elevation data to display real-time reference points, obstacles, and landing zone information to the aviator. The DVE solution will provide MH-47 and MH-60 aircrews with visual cues for obstacle avoidance and aircraft control during all phases of flight and significantly increase crew and passenger survivability in DVE. The AAQ-250 Brownout Camera (a sub-component of the DVE Pilotage System) is an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as Government Furnished Equipment (GFE) to the vendor once production begins on DVE Pilotage Systems.</p>												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M			Modification Type: Added Capability					Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 1: Degraded Visual Environment ⁽¹⁾													
A Kits													
Recurring													
Q-250 A-Kit (Camera)		96 / 4.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.305	
DVE Pilotage System A-Kit ⁽²⁾		- / -	- / -	25 / 7.500	13 / 2.415	- / -	13 / 2.415	7 / 2.151	8 / 2.711	9 / 2.829	10 / 3.389	Continuing	
Subtotal: Recurring		96 / 4.305	- / -	25 / 7.500	13 / 2.415	- / -	13 / 2.415	7 / 2.151	8 / 2.711	9 / 2.829	10 / 3.389	Continuing	
B Kits													
Recurring													
Q-250 B-Kit (Camera)		90 / 12.844	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.844	
DVE Pilotage System B-Kit		- / -	- / -	- / -	11 / 9.020	- / -	11 / 9.020	12 / 9.840	12 / 10.037	12 / 10.238	11 / 9.200	Continuing	
Subtotal: Recurring		90 / 12.844	- / -	- / -	11 / 9.020	- / -	11 / 9.020	12 / 9.840	12 / 10.037	12 / 10.238	11 / 9.200	Continuing	
Non-Recurring													
Avionics Integration		- / -	- / 0.450	- / 1.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	
Subtotal: Non-Recurring		- / -	- / 0.450	- / 1.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	
Subtotal: Degraded Visual Environment		- / 17.149	- / 0.450	- / 8.504	- / 11.435	- / -	- / 11.435	- / 11.991	- / 12.748	- / 13.067	- / 12.589	Continuing	
Subtotal: Procurement, All Modification Items		- / 17.149	- / 0.450	- / 8.504	- / 11.435	- / -	- / 11.435	- / 11.991	- / 12.748	- / 13.067	- / 12.589	Continuing	
Support (All Modification Items)													
Production Support		- / 3.043	- / 0.550	- / 0.086	- / 1.296	- / -	- / 1.296	- / 1.056	- / 0.626	- / 0.550	- / 1.300	Continuing	
Subtotal: Support		- / 3.043	- / 0.550	- / 0.086	- / 1.296	- / -	- / 1.296	- / 1.056	- / 0.626	- / 0.550	- / 1.300	Continuing	
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)		20.192	1.000	8.590	12.731	-	12.731	13.047	13.374	13.617	13.889	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: Degraded Visual Environment							
Manufacturer Information							
Manufacturer Name: Sierra Nevada Corporation					Manufacturer Location: NV		
Administrative Leadtime <i>(in Months)</i> : 0					Production Leadtime <i>(in Months)</i> : 12		
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates		Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025
Delivery Dates		Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025	Apr 2026
Installation Information							
Method of Implementation (Organic): Contractor						Installation Quantity: 141	
Footnotes: ⁽¹⁾ FY 2018 and prior B Kit funding procured Brownout Cameras as an interim capability. The B Kit budget for FY 2020 and beyond fields a two sensor system, having a higher B Kit unit cost. ⁽²⁾ DVE Pilotage System A-Kit costs include installation of kits procured in the previous fiscal year.							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command							Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT				Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	176.981	57.707	40.843	41.657	-	41.657	42.462	37.091	44.340	38.737	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	176.981	57.707	40.843	41.657	-	41.657	42.462	37.091	44.340	38.737	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	176.981	57.707	40.843	41.657	-	41.657	42.462	37.091	44.340	38.737	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	32.041	12.901	9.448	9.637	-	9.637	9.830	9.994	10.228	10.433	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program procures a Special Operations Forces (SOF) Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR), spares, and Engineering Change Proposals (ECPs). SKR provides a low-probability of intercept/low probability of detection radar to defeat advanced passive detection threats while maintaining the ability to fly safe TF. This radar is targeted for use on all MH-47G Chinook heavy assault helicopters and MH-60M medium assault helicopters. Radars for CV-22 Tilt-Rotor aircraft and MC-130J aircraft are reported by the Fixed Wing Program of Record. This radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and cost reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in the first quarter of FY 2021. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Titles: Rotary Wing Upgrades and Sustainment, CV-22 Modification, and AC/MC130J.

Development Status/Major Development Milestones		
Date	Title	Description
May 2019	MH-47G/MH-60M Regression test and functional qualification test (FQT)	Successful flight demonstration of software version 7.15, regression test, and FQT
Jun 2019	Low Rate Initial Production (LRIP) IV	Procured 16 (13 SKRs, 3 Spares) LRIP units for Rotary Wing
Nov 2019	Full Rate Production (FRP) Lot I	Procure 12 (9 SKRs, 3 Spares) FRP units for Rotary Wing
Nov 2020	FRP Lots 2-4 Multi-Year Procurement (MYP) contract award	Planned award of three-year MYP contract for FRP in FY21, FY22, and FY23
Oct 2019	FRP Decision	Obtained Acquisition Decision Memorandum (ADM) for FRP from Milestone Decision Authority (MDA)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MC-130/CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB													
- / 283.823													
- / 3.089													
- / 2.476													
- / 2.362													
- / -													
- / 2.362													
- / 2.095													
- / 2.139													
- / 2.189													
- / 2.233													
- / -													
- / 300.406													
Procurement													
Modification Item 1 of 1: MH-47G/MH-60M SOF Common TF/TA SKR (3)													
A Kits													
Recurring													
AN/APQ-187													
- / 2.906													
- / 0.900													
- / 1.679													
- / 1.720													
- / -													
- / 1.720													
- / 1.774													
- / 2.616													
- / 2.118													
- / 2.922													
Continuing													
Continuing													
Subtotal: Recurring													
- / 2.906													
- / 0.900													
- / 1.679													
- / 1.720													
- / -													
- / 1.720													
- / 1.774													
- / 2.616													
- / 2.118													
- / 2.922													
Continuing													
Continuing													
B Kits													
Recurring													
AN/APQ-187													
36 / 128.524													
13 / 42.406													
9 / 29.716													
9 / 30.300													
- / -													
9 / 30.300													
9 / 30.858													
7 / 24.481													
9 / 31.994													
7 / 25.382													
Continuing													
Continuing													
Initial Spares (Radars)													
6 / 21.182													
3 / 9.786													
3 / 9.448													
3 / 9.637													
- / -													
3 / 9.637													
3 / 9.830													
3 / 9.994													
3 / 10.228													
3 / 10.433													
Continuing													
Continuing													
Initial Spares (Components)													
- / 10.859													
- / 3.115													
- / -													
- / -													
- / -													
- / -													
- / -													
- / 13.974													
Subtotal: Recurring													
42 / 160.565													
16 / 55.307													
12 / 39.164													
12 / 39.937													
- / -													
12 / 39.937													
12 / 40.688													
10 / 34.475													
12 / 42.222													
10 / 35.815													
Continuing													
Continuing													
Subtotal: MH-47G/MH-60M SOF Common TF/TA SKR													
42 / 163.471													
16 / 56.207													
12 / 40.843													
12 / 41.657													
- / -													
12 / 41.657													
12 / 42.462													
10 / 37.091													
12 / 44.340													
10 / 38.737													
Continuing													
Continuing													
Subtotal: Procurement, All Modification Items													
42 / 163.471													
16 / 56.207													
12 / 40.843													
12 / 41.657													
- / -													
12 / 41.657													
12 / 42.462													
10 / 37.091													
12 / 44.340													
10 / 38.737													
Continuing													
Continuing													
Support (All Modification Items)													
Engineering Change Proposals (ECPs)/Intra Contract Support													
- / 11.091													
- / 1.500													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
Continuing													
Continuing													
Other													
- / 2.419													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / 2.419													
Subtotal: Support													
- / 13.510													
- / 1.500													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
Continuing													
Continuing													
Installation													
Subtotal: Installation													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													
- / -													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: MH-47G/MH-60M SOF Common TF/TA SKR							
Manufacturer Information							
Manufacturer Name: Raytheon				Manufacturer Location: Forest, MS			
Administrative Leadtime <i>(in Months)</i> : 0				Production Leadtime <i>(in Months)</i> : 16			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jun 2019	Nov 2019	Nov 2020	Nov 2021	Nov 2022	Nov 2023	Nov 2024
Delivery Dates	Oct 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025	Mar 2026
Installation Information							
Method of Implementation (Organic): Contractor						Installation Quantity: 141	
Footnotes: ⁽³⁾ The SKR program office will award a three year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in the first quarter of FY 2021. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program.							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command							Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT				Modification Number / Title: 10 / Mission Processor Upgrades (MPU)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	132.666	15.990	24.173	31.829	-	31.829	38.933	38.954	41.040	41.882	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	132.666	15.990	24.173	31.829	-	31.829	38.933	38.954	41.040	41.882	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	132.666	15.990	24.173	31.829	-	31.829	38.933	38.954	41.040	41.882	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	1.946	-	-	-	-	-	-	-	-	-	0.000	1.946
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Mission Processor Upgrades (MPU) program provides for technology refreshment/upgrade/modernization of cockpit displays (Multi-Function Display and Control Display Units) and mission/video processors for all Army Special Operations Aviation (ARSOA) aircraft. Upgrading all internal processors increases the processing power to support critical functionality and emerging technologies that will be integrated into the Common Avionics Architecture System (CAAS). This mission processor upgrade provides the processing and memory resources required to incorporate the following functions into the General Purpose Processing Unit (GPPU): Global Air Traffic Management (GATM), which replaces ground-based navigation aids with an international requirement that all aircraft be compliant with digital and space-based navigation systems; Automatic Dependent Surveillance-Broadcast (ADS-B) equipment allows Global Positioning System (GPS) equipped aircraft to transmit their location and altitude to other aircraft and air traffic control. This capability has become increasingly critical as the Federal Aviation Agency (FAA) begins shutting down many of their existing surveillance radars. Tactical (Airborne) Mission Network (TMN) (formerly known as Airborne Mission Network (AbMN)) will install ground force compatible radios to digitally exchange tactical information among participating forces, culminating in an accurate, composite, and correlated picture of the entire battlespace. It provides critical, real-time battlefield data to ground forces and aircrew while en route to the objective. TMN provides ARSOA airborne platforms and onboard supported forces digital connectivity with ground elements and other airborne assets, to include a Common Operational Picture of hostile and friendly forces.

Development Status/Major Development Milestones

Date	Title	Description
Feb 2011	Mission Processor System Integration/Testing	
Sep 2016	TMN Low Rate Initial Production (LRIP)	
Nov 2017	GPPU LRIP and Production	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 10 / Mission Processor Upgrades (MPU)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB													
Procurement													
Modification Item 1 of 6: Cockpit Display Upgrades													
B Kits													
Recurring													
A/MH-6 B Kits													
51 / 0.700													
MH-60 B Kits													
102 / 12.110													
Cockpit Display Retrofits													
- / 2.053													
MH-47G B Kits													
184 / 13.057													
Subtotal: Recurring													
337 / 27.920													
Non-Recurring													
Mission Processor Non-Recurring Engineering													
- / 4.181													
Initial Spares													
- / 1.946													
Subtotal: Non-Recurring													
- / 6.127													
Subtotal: Cockpit Display Upgrades													
- / 34.047													
Modification Item 2 of 6: Auto-Dependent Surveillance Broadcast (ADS-B)													
B Kits													
Recurring													
ADS-B Kits													
- / 0.018													
Subtotal: Recurring													
- / 0.018													
Subtotal: Auto-Dependent Surveillance Broadcast (ADS-B)													
- / 0.018													
Modification Item 3 of 6: Avionics Block Upgrades													
A Kits													
Recurring													
A-Kits													
- / 2.923													
Subtotal: Recurring													
- / 2.923													
Non-Recurring													
A-Kits													
- / 1.207													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 10 / Mission Processor Upgrades (MPU)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Subtotal: Non-Recurring	- / 1.207	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.207	
B Kits													
Recurring													
GATM Software	- / 8.805	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.805	
Prior Years (CDAS Software)	- / 1.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.645	
CAAS Software	- / 22.223	- / 0.560	- / 2.358	- / 2.300	- / -	- / 2.300	- / -	- / -	- / -	- / -	Continuing	Continuing	
Aviation Management System (AMS) Software	- / -	- / -	- / -	- / 2.421	- / -	- / 2.421	- / 1.263	- / 0.453	- / 0.271	- / 1.037	Continuing	Continuing	
Subtotal: Recurring	- / 32.673	- / 0.560	- / 2.358	- / 4.721	- / -	- / 4.721	- / 1.263	- / 0.453	- / 0.271	- / 1.037	Continuing	Continuing	
Non-Recurring													
CAAS Block Upgrade Non-Recurring Engineering	- / 3.423	- / 0.107	- / 1.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Navigation Database (Nav DB) Compiler	- / 0.743	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.743	
Embedded Global Positioning System (GPS)/Inertial Navigation System (INS) (EGI) Integration	- / 0.779	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Non-Recurring	- / 4.945	- / 0.107	- / 1.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Avionics Block Upgrades	- / 41.748	- / 2.642	- / 3.578	- / 4.721	- / -	- / 4.721	- / 1.263	- / 0.453	- / 0.271	- / 1.037	Continuing	Continuing	
Modification Item 4 of 6: General Purpose Processor Unit (GPPU)													
B Kits													
Recurring													
Video Processing Module B Kits	- / 17.002	- / 3.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.257	
Power Supply Module B Kits	- / -	- / -	152 / 9.880	96 / 6.240	- / -	96 / 6.240	66 / 4.290	42 / 2.730	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 17.002	- / 3.255	- / 9.880	- / 6.240	- / -	- / 6.240	- / 4.290	- / 2.730	- / -	- / -	Continuing	Continuing	
Non-Recurring													
GPPU Non-Recurring Engineering	- / 7.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.900	
Subtotal: Non-Recurring	- / 7.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.900	
Subtotal: General Purpose Processor Unit (GPPU)	- / 24.902	- / 3.255	- / 9.880	- / 6.240	- / -	- / 6.240	- / 4.290	- / 2.730	- / -	- / -	Continuing	Continuing	
Modification Item 5 of 6: Tactical (Airborne) Mission Networking (TMN)													
A Kits													
Recurring													
A Kits	105 / 12.453	- / 5.063	14 / 2.535	- / 10.870	- / -	- / 10.870	16 / 19.419	16 / 20.165	16 / 21.185	16 / 25.335	Continuing	Continuing	
Subtotal: Recurring	105 / 12.453	- / 5.063	14 / 2.535	- / 10.870	- / -	- / 10.870	16 / 19.419	16 / 20.165	16 / 21.185	16 / 25.335	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 10 / Mission Processor Upgrades (MPU)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Non-Recurring													
Hardware Integration	- / 1.091	- / 0.136	- / -	- / 0.552	- / -	- / 0.552	- / 0.157	- / 0.157	- / 0.150	- / 0.150	Continuing	Continuing	
Subtotal: Non-Recurring	- / 1.091	- / 0.136	- / -	- / 0.552	- / -	- / 0.552	- / 0.157	- / 0.157	- / 0.150	- / 0.150	Continuing	Continuing	
B Kits													
Recurring													
B Kits	- / 6.724	30 / 0.037	- / 2.310	- / 1.925	- / -	- / 1.925	- / 1.960	- / 1.925	- / 1.855	- / 0.385	Continuing	Continuing	
Multi-Band Network Radios	- / 1.135	14 / 2.178	- / 2.615	17 / 5.487	- / -	17 / 5.487	17 / 7.337	17 / 7.330	17 / 7.015	17 / 4.565	Continuing	Continuing	
Subtotal: Recurring	- / 7.859	44 / 2.215	- / 4.925	17 / 7.412	- / -	17 / 7.412	17 / 9.297	17 / 9.255	17 / 8.870	17 / 4.950	Continuing	Continuing	
Non-Recurring													
Software Integration	- / 2.983	- / -	- / 1.496	- / 0.500	- / -	- / 0.500	- / -	- / -	- / -	- / 0.410	Continuing	Continuing	
Non-Recurring Engineering	- / 5.273	- / 0.024	- / 0.100	- / 0.200	- / -	- / 0.200	- / 3.173	- / 2.310	- / -	- / -	- / -	- / 11.080	
Subtotal: Non-Recurring	- / 8.256	- / 0.024	- / 1.596	- / 0.700	- / -	- / 0.700	- / 3.173	- / 2.310	- / 0.000	- / 0.410	Continuing	Continuing	
Subtotal: Tactical (Airborne) Mission Networking (TMN)	105 / 29.659	44 / 7.438	14 / 9.056	17 / 19.534	- / -	17 / 19.534	33 / 32.046	33 / 31.887	33 / 30.205	33 / 30.845	Continuing	Continuing	
Modification Item 6 of 6: Data Transfer Unit Upgrade													
B Kits													
Recurring													
DTU B Kits	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	25 / 2.750	45 / 4.950	45 / 4.950	Continuing	Continuing	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	25 / 2.750	45 / 4.950	45 / 4.950	Continuing	Continuing	
Subtotal: Data Transfer Unit Upgrade	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	25 / 2.750	45 / 4.950	45 / 4.950	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 130.374	- / 14.845	- / 23.459	- / 30.495	- / -	- / 30.495	- / 37.799	- / 37.820	- / 39.876	- / 40.682	Continuing	Continuing	
Support (All Modification Items)													
MPU Integration Assets/Support	- / 1.040	- / 0.456	- / 0.414	- / 0.554	- / -	- / 0.554	- / 0.554	- / 0.554	- / 0.554	- / 0.590	Continuing	Continuing	
TMN Integration Assets/Support	- / 1.252	- / 0.689	- / 0.300	- / 0.780	- / -	- / 0.780	- / 0.580	- / 0.580	- / 0.610	- / 0.610	Continuing	Continuing	
Subtotal: Support	- / 2.292	- / 1.145	- / 0.714	- / 1.334	- / -	- / 1.334	- / 1.134	- / 1.134	- / 1.164	- / 1.200	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	132.666	15.990	24.173	31.829	-	31.829	38.933	38.954	41.040	41.882	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 6: Cockpit Display Upgrades							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 13			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates						Jun 2024	Jun 2025
Delivery Dates						Jul 2025	Jul 2026
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 192		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 6: Auto-Dependent Surveillance Broadcast (ADS-B)							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Dec 2020	Dec 2020					
Delivery Dates	Dec 2020	Dec 2021					
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 192		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 3 of 6: Avionics Block Upgrades							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates		Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025
Delivery Dates		Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025	Apr 2026
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 141		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 4 of 6: General Purpose Processor Unit (GPPU)							
Manufacturer Information							
Manufacturer Name: Rockwell Collins				Manufacturer Location: Cedar Rapids, IA			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023		
Delivery Dates	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024		
Installation Information							
Method of Implementation (Organic): Depot Installation					Installation Quantity: 141		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 5 of 6: Tactical (Airborne) Mission Networking (TMN)							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jun 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024	Jun 2025
Delivery Dates	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024	Jun 2025	Jun 2026
Installation Information							
Method of Implementation (Organic): Depot Installation/Contractor					Installation Quantity: 141		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 10 / Mission Processor Upgrades (MPU)		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 6 of 6: Data Transfer Unit Upgrade							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: Various			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates					Apr 2023	Apr 2024	Apr 2025
Delivery Dates					Apr 2024	Apr 2025	Apr 2026
Installation Information							
Method of Implementation (Organic): TBD					Installation Quantity: 141		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 11 / Aircraft Survivability Equipment		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	530.905	14.013	36.538	43.127	-	43.127	55.042	81.905	82.903	85.023	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	530.905	14.013	36.538	43.127	-	43.127	55.042	81.905	82.903	85.023	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	530.905	14.013	36.538	43.127	-	43.127	55.042	81.905	82.903	85.023	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Description:												
<p>Special Operations Forces (SOF) provide organic aviation support for world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of world-wide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. The Aircraft Survivability Equipment (ASE) program procures and fields critical active and passive SOF-unique aircraft survivability equipment to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. These SA threat systems are evolving at an unprecedented rate, requiring rapid procurement of mission equipment that will reduce the probability of engagement and increase the probability of detecting and countering threat systems. This program includes fielding of new systems and pre-planned product improvements (P3I)/upgrades of fielded aircraft survivability equipment, addresses obsolescence issues through production based engineering change proposals, and provides technical data and fielding support and testing. P3I upgrades may include expansion of frequency ranges on existing systems, modernization of legacy components, and potential "collaborative off-boarding/on-boarding" detect/countermeasures capabilities to provide expanded coverage for aircrews in high-threat environments.</p>												
<p>The Infrared Countermeasures (IRCM) program provides a new light-weight, mission-configurable Missile Warning System (MWS), IRCM capability and exhaust suppressor at a weight suitable for the A/MH-6 Mission Enhanced Little Bird (MELB). In addition to meeting the A/MH-6 MELB's weight/size restrictions, the light-weight MWS may potentially be used on MH-60 and MH-47 aircraft to provide for the increased payload capacity demanded by the user. Army Special Operations Aviation (ARSOA) requires the addition of IRCM to protect against increasingly proliferated and sophisticated Man-Portable Air-Defense Weapons.</p>												
<p>The Suite of Integrated Radio Frequency Countermeasures (SIRFC) is the current generation of Radio Frequency (RF) detection and countermeasures for ARSOA MH-47 and MH-60 aircraft. SIRFC passively detects and actively counters radar-guided missile and anti-aircraft artillery systems. SIRFC is a critical component of deep, clandestine penetration capabilities, as the state-of-the-art Radar Warning Receiver (RWR) provides enhanced situational awareness and the advanced radar-jamming components provide the defensive capabilities required to defeat RF threats. Jammers consist of both Line Replaceable Unit (LRU)-2 High Power Remote Transmitter, and LRU-3 Electronic countermeasures. Digital RF Memory, Fast Acquisition Receiver, and pre-planned product improvements provide state-of-the-art capability against advanced RF threats. Direction Finding/Intermediate Frequency & Swept Receiver upgrades ensure Silent Knight Radar compatibility. This P-3A reflects updated negotiated prices, new contract terms allowing individual LRU purchases, and Economic Order Quantity procurements.</p>												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 11 / Aircraft Survivability Equipment				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/ CV-22			Modification Type: Survivability					Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB													
Procurement													
Modification Item 1 of 2: ASE IRCM													
A Kits													
Recurring													
A/MH-6 A Kits 2.2 (Missile Warning and Countermeasures)													
A/MH-6 A Kits 3.0 (Missile Warning and Countermeasures)													
A/MH-6 A Kits (Exhaust Suppressor)													
A/MH-6 Install/MWO (Exhaust Suppressor)													
Subtotal: Recurring													
B Kits													
Recurring													
A/MH-6 B Kits (Missile Warning and Countermeasures)													
B Kits (Exhaust Suppressor)													
Subtotal: Recurring													
Non-Recurring													
Missile Warning and Countermeasures Upgrades													
Subtotal: Non-Recurring													
Subtotal: ASE IRCM													
Modification Item 2 of 2: ASE SIRFC													
B Kits													
Recurring													
Prior Years													
RF Improvements													
Subtotal: Recurring													
Non-Recurring													
LRU-1 Digital Upgrades (DRWR/DJAM)													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 11 / Aircraft Survivability Equipment				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MH-47G/MH-60M/ CV-22				Modification Type: Survivability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
LRU-1 Engineering Change Proposal (ECP) Upgrades (Dedicated Electronic Warfar Display (DEWDS))	- / 10.554	- / 5.861	- / 18.177	- / 24.620	- / -	- / 24.620	- / 19.694	- / 20.819	- / 22.390	- / 20.774	Continuing	Continuing	
LRU-2/3/4 ECP Upgrades (includes aircraft mods)	- / -	- / -	- / 1.760	- / 2.353	- / -	- / 2.353	- / 10.372	- / 22.997	- / 25.222	- / 23.709	Continuing	Continuing	
RF Improvements	- / -	- / -	- / -	- / 0.150	- / -	- / 0.150	- / 0.450	- / 2.550	- / 2.550	- / 2.550	Continuing	Continuing	
Subtotal: Non-Recurring	- / 54.951	- / 8.169	- / 19.937	- / 27.123	- / -	- / 27.123	- / 30.516	- / 46.366	- / 50.162	- / 47.033	Continuing	Continuing	
Subtotal: ASE SIRFC	- / 335.222	- / 8.169	- / 19.937	- / 27.123	- / -	- / 27.123	- / 35.516	- / 64.866	- / 67.162	- / 64.033	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 350.751	- / 11.156	- / 27.646	- / 35.860	- / -	- / 35.860	- / 46.184	- / 73.227	- / 73.331	- / 75.212	Continuing	Continuing	
Support (All Modification Items)													
IRCM - Integration Support	- / 0.197	- / -	- / 0.216	- / 0.236	- / -	- / 0.236	- / 0.235	- / 0.250	- / 0.258	- / 0.265	Continuing	Continuing	
IRCM - Integrated Logistical Support (Missile Warning System/ Countermeasures (MWS/CM))	- / 0.255	- / 0.347	- / 1.504	- / 1.710	- / -	- / 1.710	- / -	- / -	- / -	- / -	Continuing	Continuing	
IRCM - Test Support Equipment (MWS/CM)	- / -	- / 0.187	- / 0.009	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
IRCM - Integration Support (Exhaust Suppressor)	- / -	- / -	- / 0.357	- / -	- / -	- / -	- / -	- / 2.518	- / 4.961	- / 0.172	Continuing	Continuing	
SIRFC - Qualification Flight Test Support (LRU-1 (Block 2))	- / 16.197	- / -	- / 1.800	- / 1.000	- / -	- / 1.000	- / -	- / 1.208	- / -	- / 1.888	Continuing	Continuing	
SIRFC - Obsolescence/Engineering Change Proposals	- / 25.748	- / 1.857	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.605	
SIRFC - Fielding Support	- / 15.805	- / 0.466	- / 5.006	- / 4.321	- / -	- / 4.321	- / 8.623	- / 4.702	- / 4.353	- / 7.486	Continuing	Continuing	
SIRFC - Prior Year Funding	- / 121.952	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Support	- / 180.154	- / 2.857	- / 8.892	- / 7.267	- / -	- / 7.267	- / 8.858	- / 8.678	- / 9.572	- / 9.811	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	530.905	14.013	36.538	43.127	-	43.127	55.042	81.905	82.903	85.023	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 11 / Aircraft Survivability Equipment		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 2: ASE IRCM							
Manufacturer Information							
Manufacturer Name: Leonardo DRS/Daylight Solutions				Manufacturer Location: CA/FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 11			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Mar 2019	Mar 2020	Mar 2021	Mar 2022	Mar 2023	Mar 2024	Mar 2025
Delivery Dates	Feb 2020	Feb 2021	Feb 2022	Feb 2023	Feb 2024	Feb 2025	Feb 2026
Installation Information							
Method of Implementation (Organic): Contractor					Installation Quantity: 51		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 11 / Aircraft Survivability Equipment		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 2: ASE SIRFC							
Manufacturer Information							
Manufacturer Name: Harris				Manufacturer Location: Melbourne, FL			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 15			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025
Delivery Dates	Jul 2020	Jul 2021	Jul 2022	Jul 2023	Jul 2024	Jul 2025	Jul 2026
Installation Information							
Method of Implementation (Organic): Various					Installation Quantity: 624		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 12 / MH-60 Block Upgrades

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	25.048	8.127	8.330	9.448	-	9.448	8.163	8.332	8.526	8.697	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	25.048	8.127	8.330	9.448	-	9.448	8.163	8.332	8.526	8.697	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	25.048	8.127	8.330	9.448	-	9.448	8.163	8.332	8.526	8.697	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program continues to modify the fleet of 72 U.S. Army Special Operations Forces (SOF) MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. The pace of technology and user requirements dictate new system configurations before OPTEMPO provides for complete fielding of Block 1. Known upgrades include Common Infrared Countermeasures, Terrain Following/Terrain Avoidance Radar (TF/TAR), obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of Upturned Exhaust System II, Tactical (Airborne) Mission Network, and future mission equipment technology insertions. This program will result in the most relevant and combat effective Army Special Operations Aviation (ARSOA) MH-60M platform, providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high, hot, heavy missions commonly required to support Overseas Contingency Operations (OCO).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 12 / MH-60 Block Upgrades			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: MH-60M				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
RDT&E PE #													
1160403BB	- / 4.530	- / 2.608	- / 6.533	- / 3.428	- / -	- / 3.428	- / 2.933	- / 2.993	- / 3.063	- / 3.124	- / -	- / 29.212	
Procurement													
Modification Item 1 of 1: MH-60 Block Upgrades ⁽⁴⁾													
A Kits													
Recurring													
A Kits	43 / 4.972	9 / 2.806	6 / 1.842	9 / 2.670	- / -	9 / 2.670	9 / 2.804	9 / 2.944	9 / 3.091	9 / 3.246	Continuing	Continuing	
Systems Engineering	- / 2.391	- / 0.535	- / 0.807	- / 0.400	- / -	- / 0.400	- / 0.400	- / 0.400	- / 0.400	- / 0.400	Continuing	Continuing	
Program Support	- / 1.500	- / 0.420	- / 0.808	- / 0.480	- / -	- / 0.480	- / 0.490	- / 0.495	- / 0.500	- / 0.502	Continuing	Continuing	
Subtotal: Recurring	43 / 8.863	9 / 3.761	6 / 3.457	9 / 3.550	- / -	9 / 3.550	9 / 3.694	9 / 3.839	9 / 3.991	9 / 4.148	Continuing	Continuing	
B Kits													
Recurring													
Install Kits	22 / 7.772	9 / 2.561	9 / 3.879	9 / 2.768	- / -	9 / 2.768	9 / 2.906	9 / 3.052	9 / 3.204	9 / 3.364	Continuing	Continuing	
Production Engineering	- / 3.101	- / 1.805	- / -	- / 3.130	- / -	- / 3.130	- / 1.563	- / 1.441	- / 1.331	- / 1.185	Continuing	Continuing	
Integrated Logistics Support	- / 5.312	- / -	- / 0.994	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	22 / 16.185	9 / 4.366	9 / 4.873	9 / 5.898	- / -	9 / 5.898	9 / 4.469	9 / 4.493	9 / 4.535	9 / 4.549	Continuing	Continuing	
Subtotal: MH-60 Block Upgrades	- / 25.048	- / 8.127	- / 8.330	- / 9.448	- / -	- / 9.448	- / 8.163	- / 8.332	- / 8.526	- / 8.697	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 25.048	- / 8.127	- / 8.330	- / 9.448	- / -	- / 9.448	- / 8.163	- / 8.332	- / 8.526	- / 8.697	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	25.048	8.127	8.330	9.448	-	9.448	8.163	8.332	8.526	8.697	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT			Modification Number / Title: 12 / MH-60 Block Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: MH-60 Block Upgrades							
Manufacturer Information							
Manufacturer Name: Special Operations Forces Support Activity (SOFSA), Bluegrass Army Depot					Manufacturer Location: Lexington, KY		
Administrative Leadtime <i>(in Months)</i> : 3					Production Leadtime <i>(in Months)</i> : 15		
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Nov 2019	Jun 2020	Jun 2021	Jun 2022	Jun 2023	Jun 2024	Jun 2025
Delivery Dates	Feb 2021	Sep 2021	Sep 2022	Sep 2023	Sep 2024	Sep 2025	Sep 2026
Installation Information							
Method of Implementation (Organic): Contractor						Installation Quantity: 72	
Footnotes: ⁽⁴⁾ FY 2020 A Kit cost increase to accommodate upgraded Aircraft Survivability Equipment (ASE) and sensor kit requirements.							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT						Modification Number / Title: 13 / A/MH-6 Block Upgrades		
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	12.311	23.072	27.278	29.125	-	29.125	27.817	20.106	29.038	21.134	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	12.311	23.072	27.278	29.125	-	29.125	27.817	20.106	29.038	21.134	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12.311	23.072	27.278	29.125	-	29.125	27.817	20.106	29.038	21.134	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The A/MH-6M Block 3 modification consists of three major efforts: a new fuselage, a performance enhancement kit, and a new cockpit. The fuselage and performance kit are produced by Boeing. The cockpit is comprised of hardware made by Collins Aerospace, Industrial Electronics Engineers, Avalex, L3-Harris, and software developed by Collins Aerospace. The systems integration and aircraft modification are completed by Lockheed-Martin at the Special Operations Forces Support Activity (SOFSA) in Lexington, KY.												

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT					Modification Number / Title: 13 / A/MH-6 Block Upgrades				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: A/MH-6				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB - / 103.719 - / 3.008 - / 2.688 - / 2.783 - / - - / 2.783 - / 2.836 - / 2.887 - / 3.022 - / 3.082 - / - - / 124.025													
Procurement													
Modification Item 1 of 1: A/MH-6M Block Upgrades													
B Kits													
Recurring													
Avionics Kits 4 / 1.591 7 / 2.419 7 / 2.886 7 / 2.407 - / - 7 / 2.407 7 / 2.456 5 / 1.794 10 / 3.579 11 / 3.992 Continuing Continuing													
Performance Kits (Rotor Blades, Flight Controls, Tail Rotor System) 3 / 4.633 7 / 5.090 7 / 5.013 9 / 6.544 - / - 9 / 6.544 8 / 5.817 6 / 4.363 8 / 5.817 4 / 2.909 Continuing Continuing													
Collective Trim System - / - 10 / 0.620 8 / 0.415 9 / 0.152 - / - 9 / 0.152 8 / 0.148 6 / 0.105 8 / 0.143 4 / 0.073 - / - 53 / 1.656													
Integrated Airframe Shells - / - - / - 6 / 2.415 11 / 4.428 - / - 11 / 4.428 11 / 4.428 8 / 3.220 11 / 4.428 4 / 1.610 Continuing Continuing													
Legacy Airframe Parts - / - - / - - / - 4 / 0.793 - / - 4 / 0.793 5 / 0.929 2 / 0.315 3 / 0.548 3 / 0.615 - / - 17 / 3.200													
Subtotal: Recurring 7 / 6.224 24 / 8.129 28 / 10.729 40 / 14.324 - / - 40 / 14.324 39 / 13.778 27 / 9.797 40 / 14.515 26 / 9.199 Continuing Continuing													
Non-Recurring													
Integrated Airframe Shells - / 5.174 - / 8.893 - / 2.945 - / 1.000 - / - - / 1.000 - / - - / - - / - - / - - / - - / - 18.012													
Subtotal: Non-Recurring - / 5.174 - / 8.893 - / 2.945 - / 1.000 - / - - / 1.000 - / - - / - - / - - / - - / - - / 18.012													
Subtotal: A/MH-6M Block Upgrades - / 11.398 - / 17.022 - / 13.674 - / 15.324 - / - - / 15.324 - / 13.778 - / 9.797 - / 14.515 - / 9.199 Continuing Continuing													
Subtotal: Procurement, All Modification Items - / 11.398 - / 17.022 - / 13.674 - / 15.324 - / - - / 15.324 - / 13.778 - / 9.797 - / 14.515 - / 9.199 Continuing Continuing													
Support (All Modification Items)													
Integration Support - / 0.913 - / 0.542 - / 0.442 - / 0.871 - / - - / 0.871 - / 0.877 - / 0.866 - / 0.883 - / 0.999 Continuing Continuing													
Publications - / - - / 1.736 - / - - / - - / - - / - - / - - / 1.018 Continuing Continuing													
Subtotal: Support - / 0.913 - / 2.278 - / 0.442 - / 0.871 - / - - / 0.871 - / 0.877 - / 0.866 - / 0.883 - / 2.017 Continuing Continuing													
Installation													
Modification Item 1 of 1: A/MH-6M Block Upgrades - / - 4 / 3.772 3 / 13.162 7 / 12.930 - / - 7 / 12.930 7 / 13.162 5 / 9.443 7 / 13.640 5 / 9.918 13 / 9.918 51 / 85.945													
Subtotal: Installation - / - 4 / 3.772 3 / 13.162 7 (5) / 12.930 - / - 7 / 12.930 7 / 13.162 5 / 9.443 7 / 13.640 5 / 9.918 13 / 9.918 51 / 85.945													
Total													
Total Cost (Procurement + Support + Installation) 12.311 23.072 27.278 29.125 - 29.125 27.817 20.106 29.038 21.134 Continuing Continuing													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020																					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT										Modification Number / Title: 13 / A/MH-6 Block Upgrades																
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 1: A/MH-6M Block Upgrades																															
Manufacturer Information																															
Manufacturer Name: Boeing Helicopter															Manufacturer Location: Mesa, AZ																
Administrative Leadtime (in Months): 7															Production Leadtime (in Months): 12																
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025																								
Contract Dates	Apr 2019	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025																								
Delivery Dates	Apr 2020	Apr 2021	Apr 2022	Apr 2023	Apr 2024	Apr 2025	Apr 2026																								
Installation Information																															
Method of Implementation: Contract																															
Installation Cost		Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2019		- / -	4 / 3.772	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.772																	
FY 2020		- / -	- / -	3 / 13.162	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 13.162																	
FY 2021		- / -	- / -	- / -	7 / 12.930	- / -	7 / 12.930	- / -	- / -	- / -	- / -	- / -	- / -	7 / 12.930																	
FY 2022		- / -	- / -	- / -	- / -	- / -	- / -	7 / 13.162	- / -	- / -	- / -	- / -	- / -	7 / 13.162																	
FY 2023		- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.443	- / -	- / -	- / -	- / -	5 / 9.443																	
FY 2024		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 13.640	- / -	- / -	- / -	7 / 13.640																	
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 9.918	- / -	- / -	5 / 9.918																	
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 9.918	13 / 9.918																		
Total		- / -	4 / 3.772	3 / 13.162	7 / 12.930	- / -	7 / 12.930	7 / 13.162	5 / 9.443	7 / 13.640	5 / 9.918	13 / 9.918	51 / 85.945																		
Installation Schedule																															
	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	1	3	3	-	1	3	3	-	1	3	1	-	1	3	3	-	1	3	1	-	20	51
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	-	1	3	3	-	1	3	3	-	1	3	3	-	23	51
Method of Implementation (Organic): TBD																									Installation Quantity: 51						
Footnotes:																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT	Modification Number / Title: 13 / A/MH-6 Block Upgrades
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<div>(5) Installation funding is required in the fiscal year prior to aircraft induction to allow for build of installation kits.</div>		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1105232BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	167.673	101.308	19.955	25.488	8.207	33.695	27.469	26.795	30.360	28.991	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	167.673	101.308	19.955	25.488	8.207	33.695	27.469	26.795	30.360	28.991	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	167.673	101.308	19.955	25.488	8.207	33.695	27.469	26.795	30.360	28.991	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>This P-1 Line Item is part of the Military Intelligence Program (MIP). United States Special Operations Command (USSOCOM) has been designated as the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks and targets. USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harm's way. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance (ISR), and Targeting capabilities for Special Operations Forces (SOF). This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$43.600 million) and FY 2020 Enduring OCO funding (\$8.207 million). FY 2021 funding includes OCO for Enduring Requirements (\$8.207 million).</p> <p>This line item procures various expendable Unmanned Aerial Systems (UAS) and related sensor payloads for intelligence, surveillance, and reconnaissance, which allows for remotely controlled system emplacement and data exfiltration. These systems are procured from an Approved Resource List in order to provide for rapid fielding of proven capability. It also funds the acquisition and support of SOF-unique mission kits, mission payloads, weaponization, and modifications of Unmanned Aerial Vehicles (UAVs), ground control stations, and training systems. As the combatant command executing operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. USSOCOM aims to standardize payload interfaces for Special Operation Forces (SOF) Group 1-4 UAS to accelerate the procurement and fielding of much needed capability in order to reduce the time and cost to develop, field, and sustain SOF Group 1-4 UAV future payload enhancements. This will allow user in field to quickly change out payloads on the same platform and reduce time between sorties. These capabilities will be pursued via rapid fielding techniques when appropriate.</p> <p>For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is divesting of the Special Application for Contingency (SAFC) Procurement budget while all future efforts of the program will be completed in RDTE to better align with the Department's priorities as outlined in the National Defense Strategy (-\$1.573 million). -\$1.573 million - SAFC - divests various UAS platforms and related sensor payloads.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs					P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 1105232BB			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Unmanned Aerial Systems (UAS)				- / 167.673	- / 101.308	- / 19.955	- / 25.488	- / 8.207	- / 33.695
P-40	Total Gross/Weapon System Cost				- / 167.673	- / 101.308	- / 19.955	- / 25.488	- / 8.207	- / 33.695
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:

1. Expeditionary Organic Tactical Airborne ISR (AISR) Capability Set (EOTACS). EOTACS are a family of organic tactical group 1 and group 2 UAS systems. This program procures SOF-unique mission kits, mission payloads, air vehicle enhancements, and modifications on UAS and related ground control stations. Ancillary equipment includes payloads, recovery systems, and launchers.

FY 2021 PROGRAM JUSTIFICATION: Procures 30 Group 1 Short Range/Short Endurance Vertical Take-Off and Landing (VTOL) systems, 20 Group 1 Micro VTOL systems, and ancillary equipment.

FY 2021 OCO PROGRAM JUSTIFICATION: Procures 17 Group 1 Nano VTOL systems.

2. Group 1 UAS funding will be realigned and executed under the EOTACS program beginning in FY20.

3. Group 2 Multi-Mission Tactical Unmanned Aerial System (MTUAS). MTUAS are Group 2 systems, between 21 pounds and 55 pounds in weight. MTUAS provides SOF with an organic ISR capability. This program procures UAS, SOF-unique mission kits, mission payloads, air vehicle enhancements, training systems, and Ground Control Stations (GCS). Ancillary equipment includes baselined versions of payloads, recovery systems, launchers, and GCS modifications.

FY 2021 PROGRAM JUSTIFICATION: Procures ancillary equipment and payloads. Begins procurement of air vehicles, ground control stations, payloads, support equipment, tools, spares, training, interim technical support, and technical data for revised user requirements.

4. Group 3 UAS are systems, between 55 pounds and 1320 pounds in weight. This program procures SOF-unique mission kits and mission payloads. Group 3 UAS provide longer flight duration and payload capacity.

FY 2021 OCO PROGRAM JUSTIFICATION: Procures SOF-peculiar advanced payload suites for 10 systems.

5. Group 4 UAS are large systems, greater than 1,320 pounds in weight flying less than 18,000 feet above sea level. The MQ-1 UAV line funds the acquisition and support of SOF-unique mission kits, mission payloads, weapons, and modifications on MQ-1C UAVs, GCS, and training systems as part of the Medium Altitude Long Endurance Tactical (MALET) Program. Group 4 UAS Program of Record in FY19 is a transition from Air Force Research Laboratory (AFRL) Rapid Capability Insertion (RCI) formerly known as Long Endurance Aircraft (LEA) program. The LEA UAV line funds the acquisition and support of SOF-unique mission kits, mission payloads, weapons, and modifications on the LEA Family of Systems aircraft, turrets, and GCSs in support of Joint Special Operations Command (JSOC) ISR Multi-Intelligence capacity.

FY 2021 PROGRAM JUSTIFICATION: Procures SOF unique mission MQ-1 kits and payloads and persistent close air support integration.

FY 2021 OCO PROGRAM JUSTIFICATION: Procures 12 SOF unique mission kits and payloads.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1105232BB
Line Item MDAP/MAIS Code: N/A		
<p>6. Special Applications for Contingencies (SAFC) procures various UAS platforms and expendable and related sensor payloads for intelligence, surveillance, and reconnaissance. Platforms will be used to develop/test payload systems that will increase UAS flight range and provide the user real-time access to analyzed target and battlefield data for SOF Group 1-4 UAS. For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is divesting of the SAFC Procurement budget while all future efforts of the program will be completed in RDTE to better align with the Department's priorities as outlined in the National Defense Strategy.</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR								Aggregated Items Title: Unmanned Aerial Systems (UAS)					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS)																				
1.1 / Group 2 Long Range/Long Endurance (LR/LE) Fixed Wing			1.375	4	5.500	1.048	4	4.194	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Group 1 Medium Range/Medium Endurance (MR/ME) Fixed Wing			-	-	-	0.532	9	4.787	-	-	-	-	-	-	-	-	-	-	-	-
1.3 / Group 1 Short Range/Short Endurance Vertical Takeoff & Landing (VTOL) (Various Type/Quantities)			0.169	55	9.285	0.132	110	14.552	-	-	-	0.160	30	4.800	-	-	-	0.160	30	4.800
1.4 / Group 1 Micro VTOL			0.015	110	1.650	-	-	-	-	-	-	0.110	20	2.200	-	-	-	0.110	20	2.200
1.5 / Group Nano VTOL (Various Type/Quantities)			0.060	28	1.680	0.046	326	15.127	-	-	-	-	-	-	-	-	-	-	-	-
1.6 / Electronic Warfare/Signals Intelligence Payloads			-	-	-	0.161	5	0.805	-	-	-	-	-	-	-	-	-	-	-	-
1.7 / Ancillary Equipment			-	-	1.000	-	-	9.918	-	-	-	-	-	0.882	-	-	-	-	-	0.882
1.9 / Group 1 - Nano VTOL (Various Quantities) Overseas Contingency Operations (OCO)			-	-	-	-	-	-	0.115	17	1.957	-	-	-	0.115	17	1.957	0.115	17	1.957
Subtotal: 1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS)			-	-	19.115	-	-	49.383	-	-	1.957	-	-	7.882	-	-	1.957	-	-	9.839
2 - Group 1 UAS																				
2.1 / Quadcopter			-	-	-	0.020	50	1.000	-	-	-	-	-	-	-	-	-	-	-	-
2.2 / Ancillary Equipment			-	-	0.165	-	-	0.245	-	-	0.149	-	-	-	-	-	-	-	-	-
2.3 / Payloads			-	-	3.207	-	-	2.585	-	-	0.986	-	-	-	-	-	-	-	-	-
2.4 / Group 1 Short Range/Short Endurance (SR/SE) Fixed Wing			-	-	-	-	-	-	0.110	6	0.660	-	-	-	-	-	-	-	-	-
2.5 / Group 1 VTOL SR/SE			-	-	-	-	-	-	0.150	6	0.900	-	-	-	-	-	-	-	-	-
2.6 / Group 1 Micro VTOL			-	-	-	-	-	-	0.015	20	0.300	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR						Aggregated Items Title: Unmanned Aerial Systems (UAS)								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.7 / Group 1 Nano VTOL			-	-	-	-	-	-	0.060	13	0.780	-	-	-	-	-	-	-	-	-
2.8 / Prior Years Funding			-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9 / Prior Years Funding - Overseas Contingency Operations (OCO)			-	-	43.143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Group 1 UAS			-	-	48.315	-	-	3.830	-	-	3.775	-	-	-	-	-	-	-	-	-
3 - Group 2 UAS																				
3.1 / Ancillary Equipment/Payloads			-	-	8.807	-	-	0.942	-	-	0.938	-	-	6.364	-	-	-	-	-	6.364
3.2 / Prior Years Funding			-	-	9.080	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3 / Prior Years Funding Overseas Contingency Operations (OCO)			-	-	55.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Group 2 UAS			-	-	73.237	-	-	0.942	-	-	0.938	-	-	6.364	-	-	-	-	-	6.364
4 - Group 3 UAS																				
4.1 / Advanced Payloads OCO			-	-	-	0.462	10	4.619	0.450	10	4.500	-	-	-	0.450	10	4.500	0.450	10	4.500
Subtotal: 4 - Group 3 UAS			-	-	-	-	-	4.619	-	-	4.500	-	-	0.000	-	-	4.500	-	-	4.500
5 - Group 4 UAS																				
5.1 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads			-	-	6.271	-	-	2.030	-	-	7.240	-	-	10.867	-	-	-	-	-	10.867
5.2 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads Congressional Plus Up			-	-	8.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3 / SOF Unique Mission Kits and Mission Payloads OCO			-	-	8.100	0.146	12	1.750	-	-	-	-	-	-	0.146	12	1.750	0.146	12	1.750
5.4 / A/B Kits Small Glide Munitions OCO			-	-	-	0.250	16	4.000	-	-	-	-	-	-	-	-	-	-	-	-
5.5 / Beyond Line of Sight Wiring Harness MQ-1C/ER OCO			-	-	-	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1								P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR							Aggregated Items Title: Unmanned Aerial Systems (UAS)				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
5.6 / Vortex Integration MQ-1C/ER OCO			-	-	-	-	-	4.250	-	-	-	-	-	-	-	-	-	-	-	-
5.7 / Persistent Close Air Support Integration OCO			-	-	-	-	-	0.381	-	-	-	-	-	-	-	-	-	-	-	-
5.8 / Persistent Close Air Support Integration			-	-	-	-	-	-	-	-	-	-	-	0.375	-	-	-	-	-	0.375
5.9 / MQ-1C Transfer Funds OCO			-	-	-	-	-	18.600	-	-	-	-	-	-	-	-	-	-	-	-
5.10 / LEAP OCO			-	-	-	-	-	8.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5 - Group 4 UAS			-	-	22.671	-	-	41.011	-	-	7.240	-	-	11.242	-	-	1.750	-	-	12.992
6 - Special Applications for Contingencies (SAFC)																				
6.1 / Scan Eagle UAS			0.687	2	1.374	-	-	-	0.419	3	1.257	-	-	-	-	-	-	-	-	-
6.2 / Puma II UAS			-	-	-	0.527	1	0.527	-	-	-	-	-	-	-	-	-	-	-	-
6.3 / Group 1 VTOL SR/SE			-	-	-	0.166	6	0.996	0.166	1	0.166	-	-	-	-	-	-	-	-	-
6.4 / Ancillary Equipment/Payloads			-	-	-	-	-	-	-	-	0.122	-	-	-	-	-	-	-	-	-
6.5 / Prior Years Funding			-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6 / Prior Years Funding - Overseas Contingency Operations (OCO)			-	-	1.461	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6 - Special Applications for Contingencies (SAFC)			-	-	4.335	-	-	1.523	-	-	1.545	-	-	0.000	-	-	-	-	-	0.000 ⁽¹⁾
Total			-	-	167.673	-	-	101.308	-	-	19.955	-	-	25.488	-	-	8.207	-	-	33.695

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

⁽¹⁾ For the Defense Wide Review, United States Special Operations Command performed a comprehensive analysis of future capabilities and is divesting of the SAFC Procurement budget which divests various UAS platforms and related sensor payloads, while all future efforts of the program will be completed in research, development, test, and evaluation (RDTE) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$1.573 million)

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A					Other Related Program Elements: 1160403BB				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	830.685	31.731	32.310	61.874	-	61.874	22.316	4.487	7.856	1.893	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	830.685	31.731	32.310	61.874	-	61.874	22.316	4.487	7.856	1.893	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	830.685	31.731	32.310	61.874	-	61.874	22.316	4.487	7.856	1.893	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	96.739	-	-	7.675	-	7.675	-	10.348	-	-	-	114.762
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:
 Note: C-27J modifications for FY19 President's Budget was under Aircraft Support P-1 Line Item Titled: Other Items <\$5M.

The Non-Standard Aviation (NSAV) line provides funding to purchase, modify, equip, and rapidly field Special Operations Forces (SOF) NSAV, Aviation Foreign Internal Defense (AvFID), and C-27J aircraft to provide the required capabilities outlined below. This line also funds Low Cost Modifications (LCM) of NSAV assets to support world-wide SOF mobility and priority Partner Nation training. This program received Overseas Contingency Operations (OCO) funding in FY 2019. There is no associated RDTE. These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing AvFID and NSAV programs to better align with the Department's priorities as outlined in the National Defense Strategy (-\$32.514 million).
 -\$2.514 million - NSAV - reduces LCM
 -\$30.000 million - AvFID - reduces two Armed Intelligence, Surveillance, and Reconnaissance (ISR) aircrafts.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: 1160403BB		
Line Item MDAP/MAIS Code: 0000									

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	NON-STANDARD AVIATION (NSAV)				- / 830.685	- / 31.731	- / 2.417	- / 42.175	- / -	- / 42.175
P-3a	3 / C-27J Modifications (Added Capability)				- / -	- / -	- / 29.893	- / 19.699	- / -	- / 19.699
P-40	Total Gross/Weapon System Cost				- / 830.685	- / 31.731	- / 32.310	- / 61.874	- / -	- / 61.874

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	NON-STANDARD AVIATION (NSAV)				- / -	- / -	- / -	- / -	- / -	- / -
P-3a	3 / C-27J Modifications (Added Capability)				- / 2.620	- / 2.673	- / 6.000	- / -	- / -	- / 60.885
P-40	Total Gross/Weapon System Cost				- / 22.316	- / 4.487	- / 7.856	- / 1.893	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. NSAV. Program supports worldwide SOF missions and must have flexible capabilities to facilitate Theater Special Operations Command (TSOC) tactical and strategic objectives. The NSAV program provides Short Take-Off and Landing, flexible, rapid, responsive operational support of special operations teams. Support to TSOCs and operational mission objectives include: SOF team mobility in austere and remote locations, casualty evacuation, non-combatant evacuation operations, and humanitarian assistance.

2. AvFID. Conduct training of fixed wing aircraft with priority Partner Nations in support of U.S. strategic objectives. AvFID aircraft must have flexible capabilities to support objective mission sets including, but not limited to, train, advise, and assist Partner Nation in the areas of day and night operations in low-level navigation, airdrop, air land resupply, leaflet drop, medical evacuation (MEDEVAC), personnel recovery, visual meteorological condition formation, aerial ISR, airborne command and control, convoy escort, close air support, strike, border patrol, counter narcotics, and humanitarian relief.

FY 2021 PROGRAM JUSTIFICATION: Funds three Armed ISR aircraft and initial spares.

3. C-27J. This program provides modifications to C-27J aircraft with equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and make critical safety changes.

FY 2021 PROGRAM JUSTIFICATION: Funds one landing gear overhaul and two aircraft cockpits.

Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

(a) FY 2022 Cost Delta: 19.696 million

(b) FY 2023 Cost Delta: 1.814 million

(c) FY 2024 Cost Delta: 1.856 million

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
Line Item MDAP/MAIS Code: 0000		
<div>(d) FY 2025 Cost Delta: 1.893 million</div> <div>(e) To Complete and Total Delta: Continuing</div>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION									Aggregated Items Title: NON-STANDARD AVIATION (NSAV)					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - NSAV Aircraft																				
1.1 / Low Cost Modifications (LCM) (1)			-	-	9.797	-	-	4.787	-	-	2.417	-	-	-	-	-	-	-	-	-
1.2 / Global Positioning System Improvements			-	-	-	-	-	7.500	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - NSAV Aircraft			-	-	9.797	-	-	12.287	-	-	2.417	-	-	-	-	-	-	-	-	-
2 - Aviation Foreign Internal Defense (AvFID); includes MC-12 Air National Guard Improvements																				
2.1 / Global Positioning System Improvements			-	-	-	1.074	6	6.444	-	-	-	-	-	-	-	-	-	-	-	-
2.2 / Infrared Suppression System OCO			-	-	-	0.722	9	6.500	-	-	-	-	-	-	-	-	-	-	-	-
2.3 / High Definition Infrared Sensor OCO			-	-	-	0.542	12	6.500	-	-	-	-	-	-	-	-	-	-	-	-
2.4 / Aircraft			-	-	-	-	-	-	-	-	-	11.500	3	34.500	-	-	-	11.500	3	34.500
2.5 / Initial Spares			-	-	-	-	-	-	-	-	-	-	-	7.675	-	-	-	-	-	7.675
Subtotal: 2 - Aviation Foreign Internal Defense (AvFID); includes MC-12 Air National Guard Improvements			-	-	-	-	-	19.444	-	-	-	-	-	42.175	-	-	-	-	-	42.175 (2)
Prior Year																				
Completed Efforts			-	-	820.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year			-	-	820.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	830.685	-	-	31.731	-	-	2.417	-	-	42.175	-	-	-	-	-	42.175

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

⁽¹⁾ For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing NSAV LCM (-\$2.514 million).

⁽²⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing AvFID, two Armed Intelligence, Surveillance, and Reconnaissance (ISR) aircrafts (-\$30.000 million).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION	Modification Number / Title: 3 / C-27J Modifications

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	-	29.893	19.699	-	19.699	2.620	2.673	6.000	-	-	60.885
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	-	29.893	19.699	-	19.699	2.620	2.673	6.000	-	-	60.885
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	-	29.893	19.699	-	19.699	2.620	2.673	6.000	-	-	60.885
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides modifications to C-27J aircraft with equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and make critical safety changes. Current projects include but are not limited to: procuring landing gear, overhaul of landing gear, cockpit resets and upgrades. FY 2019 for C-27J resides in P-1 line item Other Items <\$5 million. No associated RDTE funds.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION					Modification Number / Title: 3 / C-27J Modifications				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: C-27J				Modification Type: Added Capability				Related RDT&E PEs:					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Procurement													
Modification Item 1 of 2: Landing Gear Overhaul													
B Kits													
Recurring													
Landing Gear Overhaul		- / -	- / -	- / -	1 / 0.800	- / -	1 / 0.800	3 / 2.620	- / -	- / -	- / -	- / -	4 / 3.420
Subtotal: Recurring		- / -	- / -	- / -	1 / 0.800	- / -	1 / 0.800	3 / 2.620	- / -	- / -	- / -	- / -	4 / 3.420
Subtotal: Landing Gear Overhaul		- / -	- / -	- / -	1 / 0.800	- / -	1 / 0.800	3 / 2.620	- / -	- / -	- / -	- / -	4 / 3.420
Modification Item 2 of 2: Cockpit Reset/Upgrade													
B Kits													
Recurring													
Aircraft Cockpit		- / -	- / -	3 / 29.893	2 / 18.899	- / -	2 / 18.899	- / -	- / -	1 / 6.000	- / -	- / -	6 / 54.792
Subtotal: Recurring		- / -	- / -	3 / 29.893	2 / 18.899	- / -	2 / 18.899	- / -	- / -	1 / 6.000	- / -	- / -	6 / 54.792
Non-Recurring													
Spares		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.673	- / -	- / -	- / -	- / 2.673
Subtotal: Non-Recurring		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.673	- / -	- / -	- / -	- / 2.673
Subtotal: Cockpit Reset/Upgrade		- / -	- / -	3 / 29.893	2 / 18.899	- / -	2 / 18.899	- / -	- / 2.673	1 / 6.000	- / -	- / -	6 / 57.465
Subtotal: Procurement, All Modification Items		- / -	- / -	- / 29.893	- / 19.699	- / -	- / 19.699	- / 2.620	- / 2.673	- / 6.000	- / -	- / -	- / 60.885
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total													
Total Cost (Procurement + Support + Installation)		-	-	29.893	19.699	-	19.699	2.620	2.673	6.000	-	-	60.885

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			Modification Number / Title: 3 / C-27J Modifications	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 2: Landing Gear Overhaul							
Manufacturer Information							
Manufacturer Name: Leonardo, Aerospace				Manufacturer Location: Turin, Italy			
Administrative Leadtime <i>(in Months)</i> : 0				Production Leadtime <i>(in Months)</i> : 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates			Mar 2021	Mar 2022			
Delivery Dates			Feb 2022	Feb 2023			
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 4		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION			Modification Number / Title: 3 / C-27J Modifications	
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 2 of 2: Cockpit Reset/Upgrade							
Manufacturer Information							
Manufacturer Name: Leonardo				Manufacturer Location: Turin, Italy			
Administrative Leadtime (in Months): 0				Production Leadtime (in Months): 9			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates		May 2020	May 2021			May 2024	
Delivery Dates		Feb 2021	Feb 2022			Feb 2025	
Installation Information							
Method of Implementation (Organic): Depot					Installation Quantity: 6		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0607U28 / U-28
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
--	---	--

Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	243.831	105.723	42.398	3.825	-	3.825	4.395	4.458	7.110	7.252	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	243.831	105.723	42.398	3.825	-	3.825	4.395	4.458	7.110	7.252	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	243.831	105.723	42.398	3.825	-	3.825	4.395	4.458	7.110	7.252	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	11.025	0.670	-	-	-	-	-	-	-	-	-	11.695
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item is part of the Military Intelligence Program (MIP). The mission of the U-28 is to provide a manned fixed wing capability for improved tactical airborne Intelligence, Surveillance, Reconnaissance (ISR), and Targeting in support of Theater Special Operations Forces. United States Special Operations Command (USSOCOM) funds Special Operation Forces (SOF) peculiar modifications to rapidly field U-28 aircraft and low cost modifications for the Mission Training Device (MTD), and support equipment to meet evolving mission requirements. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$73.422 million) and FY 2020 direct OCO funding (\$31.500 million). There is no associated Research, Development, Test, and Evaluation (RDTE). These capabilities will be pursued via rapid fielding techniques when appropriate.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 0607U28 / U-28				
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 0000										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	U-28 Systems	P-5a			- / 243.831	- / 105.723	- / 42.398	- / 3.825	- / -	- / 3.825
P-40	Total Gross/Weapon System Cost				- / 243.831	- / 105.723	- / 42.398	- / 3.825	- / -	- / 3.825
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p>Justification:</p> <p>1. Mission Systems: Provides SOF-unique modifications to include: avionics, communication systems, Intelligence, Surveillance, and Reconnaissance (ISR) systems, mission workstations, and mission software.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures and installs low cost modifications to U-28 mission systems.</p> <p>2. MTD: Procures MTD and concurrency, obsolescence, and fidelity low cost modifications to the U-28 MTD ensuring realistic full-spectrum training and mission rehearsal capabilities. The MTD reduces mission risk, overall costs, and safety stresses of live training required to attain aircraft and mission proficiency.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Installs MTD simulator low cost modifications to mission systems.</p> <p>3. U-28 Automatic Dependent Surveillance – Broadcast (ADS–B) Upgrade: Federal Aviation Authority (FAA) mandate to improve safety and efficiency enabling unrestricted flight profiles in FAA airspace. This allows aircraft to conduct unrestricted training, transit, and ISR operations.</p> <p>4. U-28 EQ+ Modification: Follow-on effort to Combat Mission Needs Statement (CMNS) 210 to directly support counter Islamic State of Iraq and Syria (ISIS) operations. Enables deployment aircraft with 20" High Definition Full Motion Video Multi-Spectral Targeting System B Sensors Outside Continental United States (OCONUS) providing both extended stand-off operations and an enhanced Find, Fix, Finish capability. This effort included converting EQ configured aircraft to the EQ+ configuration and converting PC-12 aircraft to the EQ+ configuration. The U-28 EQ+ modification program received OCO funding in FY 2019 and Direct OCO funding in FY 2020.</p> <p>5. U-28 Mission Equipment Racks: Procures and installs Military Standard compliant mission equipment racks. This effort was OCO funded in FY 2019.</p> <p>6. High Power Antenna: Procures and installs high power Ku band Beyond Line Of Sight (BLOS) antennas to expand bi-directional data throughput and assure satellite connectivity.</p> <p>7. Alternative Precision Location and Timing (Alt PNT): Procures and integrates an Alt PNT solution that allows operations in a Global Positioning System (GPS) denied environment. This effort was OCO funded in FY 2019.</p> <p>8. Radar Warning Capability: procures and installs the Embedded National Tactical Receiver incorporated into the Integrated Broadcast Service to provide a radar warning capability for the U-28 aircrew. This effort was OCO funded in FY 2019.</p>										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command												Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity:						P-1 Line Item Number / Title:						Item Number / Title [DODIC]:						
0300D / 02 / 1						0607U28 / U-28						U-28 Systems						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (Units in Each)				-		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				243.831		105.723		42.398		3.825		-		3.825				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				243.831		105.723		42.398		3.825		-		3.825				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				243.831		105.723		42.398		3.825		-		3.825				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		0.670		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware - 1 - Mission Systems Cost																		
Recurring Cost																		
1.1 Low Cost Modifications	-	-	7.232	-	-	1.967	-	-	1.958	-	-	1.978	-	-	-	-	-	1.978
1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO) ^(†)	-	-	-	0.067	35	2.330	-	-	-	-	-	-	-	-	-	-	-	-
1.3 EGPWS Spares OCO ^(†)	-	-	-	0.067	10	0.670	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	7.232	-	-	4.967	-	-	1.958	-	-	1.978	-	-	-	-	-	1.978
Subtotal: Hardware - 1 - Mission Systems Cost	-	-	7.232	-	-	4.967	-	-	1.958	-	-	1.978	-	-	-	-	-	1.978
Hardware - 2 - Mission Training Device (MTD) Cost																		
Recurring Cost																		
2.1 MTD ^(†)	-	-	-	14.263	2	28.527	-	-	-	-	-	-	-	-	-	-	-	-
2.2 MTD Low Cost Modifications	-	-	2.980	-	-	1.807	-	-	1.823	-	-	1.847	-	-	-	-	-	1.847
Subtotal: Recurring Cost	-	-	2.980	-	-	30.334	-	-	1.823	-	-	1.847	-	-	-	-	-	1.847
Subtotal: Hardware - 2 - Mission Training Device (MTD) Cost	-	-	2.980	-	-	30.334	-	-	1.823	-	-	1.847	-	-	-	-	-	1.847
Hardware - 3 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost																		
Recurring Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command															Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 0607U28 / U-28							Item Number / Title [DODIC]: U-28 Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
3.1 ADS-B Upgrade OCO ^(†)	-	-	-	0.133	34	4.508	-	-	-	-	-	-	-	-	-	-	-	-	
3.2 Installation	-	-	-	0.145	34	4.930	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	-	-	-	9.438	-	-	-	-	-	-	-	-	-	-	-	-	
Non Recurring Cost																			
3.3 ADS-B	-	-	-	-	-	0.784	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Non Recurring Cost	-	-	-	-	-	0.784	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - 3 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost	-	-	-	-	-	10.222	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - 4 - EQ+ Modification Cost																			
Recurring Cost																			
4.1 EQ to EQ+ Modification OCO ^(†)	9.000	2	18.000	-	-	-	7.875	4	31.500	-	-	-	-	-	-	-	-	-	
4.2 PC-12 to EQ+ OCO ^(†)	14.830	1	14.830	16.000	2	32.000	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	32.830	-	-	32.000	-	-	31.500	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - 4 - EQ + Modification Cost	-	-	32.830	-	-	32.000	-	-	31.500	-	-	-	-	-	-	-	-	-	
Hardware - 5 - Mission Equipment Racks Cost																			
Recurring Cost																			
5.1 Mission Equipment Racks OCO ^(†)	-	-	-	0.500	13	6.500	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - 5 - Mission Equipment Racks Cost	-	-	-	-	-	6.500	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - 6 - High Power Antenna Cost																			
Recurring Cost																			
6.1 High Power Antenna ^(†)	-	-	-	-	-	-	0.184	25	4.600	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	4.600	-	-	-	-	-	-	-	-	-	
Non Recurring Cost																			
6.2 First Article	-	-	-	-	-	-	1.259	2	2.517	-	-	-	-	-	-	-	-	-	
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	2.517	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command													Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 0607U28 / U-28						Item Number / Title [DODIC]: U-28 Systems					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: Hardware - 6 - High Power Antenna Cost	-	-	-	-	-	-	-	-	7.117	-	-	-	-	-	-	-	-	-
Hardware - 7 - Alternate Precision Location and Timing (Alt PNT) Cost																		
Recurring Cost																		
7.1 Alt PNT System	-	-	-	0.408	29	11.832	-	-	-	-	-	-	-	-	-	-	-	-
7.2 First Article	-	-	-	1.668	1	1.668	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	13.500	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 7 - Alternate Precision Location and Timing (Alt PNT) Cost	-	-	-	-	-	13.500	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 8 - Hardware - Radar Warning Capability Cost																		
Recurring Cost																		
8.1 Radar Warning Capability - OCO	-	-	-	0.249	29	7.213	-	-	-	-	-	-	-	-	-	-	-	-
8.2 First Article	-	-	-	0.987	1	0.987	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	8.200	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 8 - Hardware - Radar Warning Capability Cost	-	-	-	-	-	8.200	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 9 - Prior Year Cost																		
Recurring Cost																		
9.1 Prior Year Costs	-	-	200.789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	200.789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 9 - Prior Year Cost	-	-	200.789	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	243.831	-	-	105.723	-	-	42.398	-	-	3.825	-	-	-	-	-	3.825
(†) indicates the presence of a P-5a																		

(†) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command								Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0607U28 / U-28				Item Number / Title [DODIC]: U-28 Systems			

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO)	✓	2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Jul 2019	Feb 2020	35	0.067			
1.3 EGPWS Spares OCO	✓	2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Jul 2019	Mar 2020	10	0.067			
2.1 MTD		2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Jun 2019	May 2020	2	14.263	N		
3.1 ADS-B Upgrade OCO	✓	2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Aug 2019	Feb 2020	34	0.133			
4.1 EQ to EQ+ Modification OCO	✓	2020	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Apr 2020	Oct 2020	4	7.875			
4.2 PC-12 to EQ+ OCO	✓	2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Apr 2019	Nov 2019	2	16.000			
5.1 Mission Equipment Racks OCO	✓	2019	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Jul 2019	Jan 2020	13	0.500			
6.1 High Power Antenna		2020	SNC / Centennial, CO	C / CPFF	Wright-Patterson AFB, OH	Jul 2020	Jul 2021	25	0.184			

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	668.390	157.892	206.093	135.482	-	135.482	132.888	135.644	138.951	141.728	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	668.390	157.892	206.093	135.482	-	135.482	132.888	135.644	138.951	141.728	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	668.390	157.892	206.093	135.482	-	135.482	132.888	135.644	138.951	141.728	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	19.593	11.194	16.870	14.135	-	14.135	14.296	14.526	14.793	15.569	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item funds the MH-47 program. Army Special Operations Aviation (ARSOA) requires a long-term, capable and reliable Special Operations Forces (SOF) heavy assault fleet in order to provide organic world wide strategic Rotary Wing operations capable of rapid fielding and deployment as well as long range penetration of hostile tactical areas. ARSOA is authorized 69 highly specialized MH-47G Chinook aircraft, 61 of which are currently sheet metal constructed airframes. Three of the sheet metal aircraft have been lost in combat or pre-deployment training. Operational availability continues to be affected by increased maintenance actions and cost caused by high operational tempo and continuous combat operations within the Special Operations Aviation flight spectrum. Aging airframe fatigue and corrosion issues have necessitated replacement of the remaining 61 MH-47G legacy sheet metal airframes with newly machined airframes which incorporate emerging technologies to maintain mission effectiveness. The remaining eight machined airframes also require a retrofit to incorporate emerging technologies and improvements in machined airframe engineering, while maintaining mission effectiveness and performance across the entire MH-47G BLK II fleet. MFP-2 funds are provided by Army to cover common production, labor, and long lead material costs. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$36.500 million) and FY 2020 (\$34.281 million) to replace aircraft battle losses that occurred in FY 2017 and FY 2018. FY 2020 Flyaway Unit Cost includes costs for eight Renew aircraft and one new OCO funded aircraft. Production line overhead costs are being assumed by the MH-47 program in FY 2020; MH-47 unit cost is consequently higher in FY 2020. These capabilities will be pursued via rapid fielding techniques when appropriate.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	MH-47 CHINOOK				- / 395.253	- / -	- / -	- / -	- / -	- / -
P-5	1 / MH-47 RENEW	P-5a, P-21			8 / 273.137	7 / 157.891	9 / 206.093	6 / 135.482	- / -	6 / 135.482
P-40	Total Gross/Weapon System Cost				- / 668.390	- / 157.892	- / 206.093	- / 135.482	- / -	- / 135.482

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
 FY 2021 PROGRAM JUSTIFICATION: Funds the manufacture of six newly built machined airframes incorporating emerging technologies to maintain mission effectiveness and address aging airframe structural fatigue and corrosion issues. Also funds Government Furnished Equipment (GFE)/SOF-unique mission kits, block modifications, production engineering, publications, and program management. Funds modifications to address emerging threats, safety concerns, reliability and maintainability issues, and improved capabilities.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK								Aggregated Items Title: MH-47 CHINOOK					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - MH-47 Chinook																				
1.1 / MH-47 CHINOOK			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - MH-47 Chinook			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	395.253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command														Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK						Item Number / Title [DODIC]: 1 / MH-47 RENEW						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total				
Procurement Quantity (Units in Each)				8		7		9		6		-		6				
Gross/Weapon System Cost (\$ in Millions)				273.137		157.891		206.093		135.482		-		135.482				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				273.137		157.891		206.093		135.482		-		135.482				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Total Obligation Authority (\$ in Millions)				273.137		157.891		206.093		135.482		-		135.482				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Millions)				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Airframe ^(†) (1)	19.593	8	156.741	11.194 ⁽²⁾	7	78.361	16.870 ⁽³⁾	9	151.833	14.135	6	84.811	-	-	-	14.135	6	84.811
Subtotal: Recurring Cost	-	-	156.741	-	-	78.361	-	-	151.833	-	-	84.811	-	-	-	-	-	84.811
Subtotal: Flyaway Cost	-	-	156.741	-	-	78.361	-	-	151.833	-	-	84.811	-	-	-	-	-	84.811
Hardware Cost																		
Recurring Cost																		
Government Furnished Equipment (GFE) ⁽⁴⁾	-	-	2.630	-	-	19.683	-	-	15.626	-	-	17.976	-	-	-	-	-	17.976
GFE (OCO)	-	-	10.270	-	-	8.290	-	-	6.129	-	-	-	-	-	-	-	-	-
GFE (CONG)	-	-	11.196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aircraft Survivability Equipment (ASE) (OCO)	-	-	-	-	-	6.231	-	-	2.901	-	-	-	-	-	-	-	-	-
ASE (CONG)	-	-	30.351	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silent Knight Radar (SKR) (OCO)	-	-	-	-	-	3.040	-	-	3.570	-	-	-	-	-	-	-	-	-
SKR (CONG)	-	-	13.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Avionics (CONG)	-	-	1.910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	69.409	-	-	37.244	-	-	28.226	-	-	17.976	-	-	-	-	-	17.976
Subtotal: Hardware Cost	-	-	69.409	-	-	37.244	-	-	28.226	-	-	17.976	-	-	-	-	-	17.976
Support Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK					Item Number / Title [DODIC]: 1 / MH-47 RENEW			

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:			
---	--	--	--	--	--	--	--	--	--	------------------------	--	--	--

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Block Modifications	-	-	5.665	-	-	20.334	-	-	13.410	-	-	16.173	-	-	-	-	-	16.173
Post Production Modifications (CONG)	-	-	1.100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Production Engineering (5)	-	-	34.525	-	-	19.219	-	-	7.342	-	-	10.642	-	-	-	-	-	10.642
Publication/Tech Data	-	-	3.359	-	-	-	-	-	3.000	-	-	3.000	-	-	-	-	-	3.000
Program Management	-	-	2.338	-	-	2.733	-	-	2.282	-	-	2.880	-	-	-	-	-	2.880
<i>Subtotal: Support Cost</i>	-	-	46.987	-	-	42.286	-	-	26.034	-	-	32.695	-	-	-	-	-	32.695
Gross/Weapon System Cost	-	8	273.137	-	7	157.891	-	9	206.093	-	6	135.482	-	-	-	-	6	135.482

(t) indicates the presence of a P-5a

Footnotes:

- (1) Boeing: Sole Source Original Equipment Manufacturer. Due to DTIC system constraints, Airframe Base and OCO quantities in FY19 and FY20 are combined but have significantly different costs. Due to fewer CH-47F procurements beginning in FY21, production line overhead costs are being assumed by the MH-47 program in FY20; MH-47 unit cost is consequently higher in FY20.
- (2) FY19 Airframe Unit Costs include both Renew and New (OCO funded) aircraft which have significantly different costs.
- (3) FY20 Airframe Unit Costs include both Renew and New (OCO funded) aircraft which have significantly different costs.
- (4) GFE increase after FY20 due to reduced amount of salvaged equipment, resulting in increased GFE costs.
- (5) Production Engineering increase due to Lot 4 flight tests and shipboard dynamic interface testing.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command								Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK				Item Number / Title [DODIC]: 1 / MH-47 RENEW				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
Airframe ^(†)		2018 ⁽⁶⁾	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jul 2018	Aug 2020	8	19.593	Y		Nov 2016
Airframe ^(†)		2019	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2019	Jul 2021	6	9.904	Y		Jun 2018
Airframe ^(†)	✓	2019	Boeing / Philadelphia, PA	SS / CPFF	Fort Eustis, VA	Jun 2019	Jun 2022	1	18.939	Y		Jun 2018
Airframe ^(†)		2020	Boeing / Philadelphia, PA	SS / FFP	Fort Eustis, VA	Jun 2020	Jul 2022	8	16.269 ⁽⁷⁾	Y		Nov 2018
Airframe ^(†)	✓	2020	Boeing / Philadelphia, PA	SS / FFP	Fort Eustis, VA	Jun 2020	Mar 2023	1	21.681 ⁽⁸⁾	Y		Nov 2018
Airframe ^(†)		2021	Boeing / Philadelphia, PA	SS / FFP	Fort Eustis, VA	Jun 2021	Apr 2023	6	14.135	Y		Dec 2019

^(†) indicates the presence of a P-21

Footnotes:

⁽⁶⁾ FY 2018 Airframe costs include four Renew Aircraft and four New (Congressional funded) aircraft which have significantly different cost.

⁽⁷⁾ FY 2020 Airframe unit cost increased due to fewer CH-47F procurements beginning in FY 2021, causing increased production line costs in FY 2020.

⁽⁸⁾ FY 2020 OCO Airframe unit cost increased due to airframe being a new build vice renew of an existing airframe.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020															
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK										Item Number / Title [DODIC]: 1 / MH-47 RENEW															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2018										Fiscal Year 2019													BALANCE					
OCO	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP				
Airframe ⁽¹⁾																																			
	1	2018	SOCOM	8	0	8											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	1	2019	SOCOM	6	0	6																								A -	-	-	-	-	6
✓	1	2019	SOCOM	1	0	1																								A -	-	-	-	-	1
	1	2020	SOCOM	8	0	8																												8	
✓	1	2020	SOCOM	1	0	1																												1	
	1	2021	SOCOM	6	0	6																												6	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020													
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK										Item Number / Title [DODIC]: 1 / MH-47 RENEW													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020										Fiscal Year 2021												BALANCE				
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020										Calendar Year 2021																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL		AUG	SEP		
Airframe ⁽¹⁾																																	
	1	2018	SOCOM	8	0	8	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	1	-	1	-	-	-	-	4		
	1	2019	SOCOM	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	4		
✓	1	2019	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
	1	2020	SOCOM	8	0	8									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
✓	1	2020	SOCOM	1	0	1									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	1	2021	SOCOM	6	0	6																						A -	-	-	-	6	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command																				Date: February 2020																
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK										Item Number / Title [DODIC]: 1 / MH-47 RENEW																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023														BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022							Calendar Year 2023																						
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
Airframe ⁽¹⁾																																				
	1	2018	SOCOM	8	4	4	1	-	1	-	1	-	1																			0				
	1	2019	SOCOM	6	2	4	-	1	-	1	-	1	-	1																			0			
✓	1	2019	SOCOM	1	0	1	-	-	-	-	-	-	-	-	1																			0		
	1	2020	SOCOM	8	0	8	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0					
✓	1	2020	SOCOM	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1											0
	1	2021	SOCOM	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	2					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command										Date: February 2020									
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK					Item Number / Title [DODIC]: 1 / MH-47 RENEW									

Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024												Fiscal Year 2025												BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT				Calendar Year 2024												Calendar Year 2025												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
Airframe ⁽¹⁾																																		
	1	2018	SOCOM	8	8	0																											0	
	1	2019	SOCOM	6	6	0																											0	
✓	1	2019	SOCOM	1	1	0																											0	
	1	2020	SOCOM	8	8	0																											0	
✓	1	2020	SOCOM	1	1	0																											0	
	1	2021	SOCOM	6	4	2	1	-	1																									0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command								Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK				Item Number / Title [DODIC]: 1 / MH-47 RENEW			

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2021	1-8-5 For 2021	MAX For 2021	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing - Philadelphia, PA	2 ⁽⁹⁾	2	6	11	10	25	35	0	9	22	31

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽⁹⁾ Minimum Production Rate for Boeing being met by a combination of United States Special Operations Command (USSOCOM) funded MH-47 aircraft, Army funded CH-47 aircraft, Foreign Military Sales aircraft, and Direct Commercial Sales aircraft.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160403BB, 1160421BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	52	-	-	-	-	-	-	-	-	-	Continuing	Continuing
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,786.116	34.029	17.256	14.829	-	14.829	38.770	45.569	70.188	71.591	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,786.116	34.029	17.256	14.829	-	14.829	38.770	45.569	70.188	71.591	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,786.116	34.029	17.256	14.829	-	14.829	38.770	45.569	70.188	71.591	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	232.226	-	-	-	-	-	3.444	3.390	10.020	10.001	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The CV-22 Special Operations Forces (SOF) Modification line item funds the SOF variant of the V-22 vertical medium lift, multi-mission aircraft and associated training systems. The CV-22 provides long-range, high-speed infiltration, exfiltration, and resupply to SOF in hostile, denied, and politically sensitive areas. The Navy is the lead service for the Joint V-22 program and is responsible for managing and funding the development of the MV-22 and CMV-22, as well as the Block 0 portion of the CV-22. The Air Force funds the service common portion while United States Special Operations Command (USSOCOM) funds the development and procurement of SOF peculiar systems of Block 10 and 20. Budgeted modification programs include but are not limited to defensive/survivability systems, situational awareness systems, SOF Common Terrain Following/Terrain Avoidance TF/TA) Silent Knight Radar (SKR), SOF Communications, flight director, weapons integration, and Intelligence, Surveillance, and Reconnaissance (ISR) systems. The CV-22 Low Cost Modification (LCM) program addresses fielded deficiencies, obsolescence, reliability, and maintainability issues. The CV-22 Simulator Block Update (SBUD) program upgrades legacy CV-22 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity:

0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
1: Aviation Programs

P-1 Line Item Number / Title:

1000CV2200 / CV-22 MODIFICATION

ID Code (A=Service Ready, B=Not Service Ready): A

Program Elements for Code B Items: N/A

Other Related Program Elements: 1160403BB, 1160421BB

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 175.671	- / 26.172	- / 11.862	- / 6.190	- / -	- / 6.190
P-3a	2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (Added Capability)				- / -	- / -	- / 0.498	- / 3.544	- / -	- / 3.544
P-40a	CV-22 System				- / 1,610.445	- / 7.857	- / 4.896	- / 5.095	- / -	- / 5.095
P-40	Total Gross/Weapon System Cost				52 / 1,786.116	- / 34.029	- / 17.256	- / 14.829	- / -	- / 14.829

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / CV-22 Block 20 Upgrades (Added Capability)				- / 8.831	- / 3.567	- / 6.735	- / 6.936	Continuing	Continuing
P-3a	2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (Added Capability)				- / 24.737	- / 36.663	- / 54.826	- / 55.856	Continuing	Continuing
P-40a	CV-22 System				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 38.770	- / 45.569	- / 70.188	- / 71.591	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2021 PROGRAM JUSTIFICATION: Funds system upgrades to bring delivered CV-22 aircraft up to Block 20 configuration and addresses SOF-unique CV-22 training concurrency, obsolescence and fidelity issues. These Block 20 upgrades include, but not limited to, Color Helmet Mounted Display kits (CHMD), Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiencies (COD) kits, and Full-azimuth Defensive Weapon System (FDWS) kits. Block 20 also includes Engineering Change Program (ECP) Non-recurring engineering, training equipment, support equipment, technical support, flight test, and 12 CHMD installations. Funds SOF Common TF/TA SKR A-Kits and one B-Kit. Funds LCMs and SBUDSs to address fielded deficiencies, obsolescence, reliability, and maintainability.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

- (a) FY 2022 Cost Delta: 5.202 million
- (b) FY 2023 Cost Delta: 5.339 million
- (c) FY 2024 Cost Delta: 8.627 million
- (d) FY 2025 Cost Delta: 8.799 million

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB, 1160421BB
Line Item MDAP/MAIS Code: N/A		
<div>(e) To Complete and Total Delta: Continuing</div>		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command							Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION				Modification Number / Title: 1 / CV-22 Block 20 Upgrades			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	175.671	26.172	11.862	6.190	-	6.190	8.831	3.567	6.735	6.936	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	175.671	26.172	11.862	6.190	-	6.190	8.831	3.567	6.735	6.936	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	175.671	26.172	11.862	6.190	-	6.190	8.831	3.567	6.735	6.936	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line funds the retrofit of fielded CV-22 aircraft and related equipment. The CV-22 modification program includes, but is not limited to, efforts that (1) improve operational safety, suitability, survivability, situational awareness, communications, Intelligence, Surveillance, and Reconnaissance (ISR), and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, (4) enhance defensive systems and self-deployment capabilities, and (5) modify aircraft to common configuration. Block 20 modifications include, but are not limited to the following systems: Cabin Lighting, Color Helmet Mounted Displays (CHMD), Full-azimuth Defensive Weapon System, and Electronic Warfare Upgrades. The United States Air Force MFP-4 and USSOCOM MFP-11 modification budgets fund CV-22 modifications. USSOCOM MFP-11 funds Special Operations Forces (SOF) specific modifications, and USAF MFP-4 funds modifications that are common with other USAF platforms and/or with the joint V-22 program. This budget line item also includes funds to upgrade CV-22 support equipment, training equipment, and weapon system software with changes driven by aircraft Engineering Change Proposals (ECPs).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION						Modification Number / Title: 1 / CV-22 Block 20 Upgrades			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / -	- / -	- / 0.494	- / 2.129	- / -	- / 2.129	- / 9.634	- / 17.942	- / 18.360	- / 18.727	- / 0.000	- / 67.286	
Procurement													
Modification Item 1 of 4: Color Helmet Mounted Display (CHMD)													
A Kits													
Recurring													
Color Helmet Mounted Display	24 / 7.658	- / -	14 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 12.558	
Subtotal: Recurring	24 / 7.658	- / -	14 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 12.558	
Subtotal: Color Helmet Mounted Display (CHMD)	24 / 7.658	- / -	14 / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 12.558	
Modification Item 2 of 4: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)													
A Kits													
Recurring													
SIRFC Correction of Deficiency	49 / 35.003	9 / 11.200	6 / 3.823	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 50.026	
Subtotal: Recurring	49 / 35.003	9 / 11.200	6 / 3.823	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 50.026	
Subtotal: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)	49 / 35.003	9 / 11.200	6 / 3.823	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	64 / 50.026	
Modification Item 3 of 4: Full-azimuth Defensive Weapon System (FDWS)													
A Kits													
Recurring													
Full-azimuth Defensive Weapon System (FDWS)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.793	- / 4.811	- / -	- / 9.604	
Subtotal: Recurring	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.793	- / 4.811	- / -	- / 9.604	
Subtotal: Full-azimuth Defensive Weapon System (FDWS)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.793	- / 4.811	- / -	- / 9.604	
Modification Item 4 of 4: Prior Year Funding													
A Kits													
Recurring													
Prior Year Funding	233 / 73.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 73.179	
Subtotal: Recurring	233 / 73.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 73.179	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION					Modification Number / Title: 1 / CV-22 Block 20 Upgrades			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Prior Year Funding</i>	233 / 73.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 73.179	
<i>Subtotal: Procurement, All Modification Items</i>	- / 115.840	- / 11.200	- / 8.723	- / -	- / -	- / -	- / -	- / -	- / 4.793	- / 4.811	- / -	- / 145.367	
Support (All Modification Items)													
ECP Non-recurring Engineering	- / 30.386	- / 5.873	- / -	- / 1.661	- / -	- / 1.661	- / 2.620	- / 0.750	- / -	- / -	Continuing	Continuing	
Training Equipment	- / 8.776	- / 0.600	- / 0.720	- / 0.970	- / -	- / 0.970	- / 1.800	- / 0.700	- / 0.300	- / 0.306	Continuing	Continuing	
Support Equipment	- / 3.552	- / 4.200	- / -	- / 0.750	- / -	- / 0.750	- / 1.816	- / 0.705	- / 0.222	- / 0.371	Continuing	Continuing	
Technical Support	- / 5.826	- / 3.658	- / 0.977	- / 1.456	- / -	- / 1.456	- / 1.734	- / 0.901	- / 0.905	- / 0.923	Continuing	Continuing	
Flight Test	- / 4.518	- / 0.641	- / 0.772	- / 0.500	- / -	- / 0.500	- / 0.506	- / 0.511	- / 0.515	- / 0.525	Continuing	Continuing	
<i>Subtotal: Support</i>	- / 53.058	- / 14.972	- / 2.469	- / 5.337	- / -	- / 5.337	- / 8.476	- / 3.567	- / 1.942	- / 2.125	Continuing	Continuing	
Installation													
Modification Item 1 of 4: Color Helmet Mounted Display (CHMD)	8 / 0.480	- / -	11 / 0.670	12 / 0.853	- / -	12 / 0.853	5 / 0.355	- / -	- / -	- / -	- / -	36 / 2.358	
Modification Item 4 of 4: Prior Year Funding	173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293	
<i>Subtotal: Installation</i>	- / 6.773	- / -	- / 0.670	- / 0.853	- / -	- / 0.853	- / 0.355	- / -	- / -	- / -	- / -	- / 8.651	
Total													
Total Cost (Procurement + Support + Installation)	175.671	26.172	11.862	6.190	-	6.190	8.831	3.567	6.735	6.936	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020																					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION										Modification Number / Title: 1 / CV-22 Block 20 Upgrades																
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 4: Color Helmet Mounted Display (CHMD)																															
Manufacturer Information																															
Manufacturer Name: Bell-Boeing															Manufacturer Location: Amarillo, TX																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 18																
Dates		FY 2019			FY 2020			FY 2021			FY 2022			FY 2023			FY 2024			FY 2025											
Contract Dates		Nov 2018			Feb 2020																										
Delivery Dates		Jun 2019			Aug 2021																										
Installation Information																															
Method of Implementation: Contractor																															
Installation Cost		Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years		8 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.480																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2020		- / -	- / -	11 / 0.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 0.670																		
FY 2021		- / -	- / -	- / -	12 / 0.853	- / -	12 / 0.853	- / -	- / -	- / -	- / -	- / -	12 / 0.853																		
FY 2022		- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.355	- / -	- / -	- / -	- / -	5 / 0.355																		
FY 2023		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2024		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		8 / 0.480	- / -	11 / 0.670	12 / 0.853	- / -	12 / 0.853	5 / 0.355	- / -	- / -	- / -	- / -	36 / 2.358																		
Installation Schedule																															
	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	8	-	-	-	-	2	2	3	4	3	3	3	3	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Out	8	-	-	-	-	4	2	2	3	3	3	3	3	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 2 of 4: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)							
Manufacturer Information							
Manufacturer Name: Harris				Manufacturer Location: Clifton, NJ			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 20			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Dec 2018	Dec 2019					
Delivery Dates	Aug 2020	Aug 2021					
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)						Installation Quantity: 52	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION			Modification Number / Title: 1 / CV-22 Block 20 Upgrades	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 3 of 4: Full-azimuth Defensive Weapon System (FDWS)							
Manufacturer Information							
Manufacturer Name: Competitive Award					Manufacturer Location: TBD		
Administrative Leadtime (in Months):					Production Leadtime (in Months):		
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates						Jan 2024	Jan 2025
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Organizational (O-Level)						Installation Quantity: 52	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020																					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION										Modification Number / Title: 1 / CV-22 Block 20 Upgrades																
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:																					
Modification Item 4 of 4: Prior Year Funding																															
Manufacturer Information																															
Manufacturer Name: Bell_Boeing										Manufacturer Location: Amarillo TX																					
Administrative Leadtime (in Months): 7										Production Leadtime (in Months): 13																					
Dates	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025						
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: Contractor																															
Installation Cost		Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total																		
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293																	
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2020		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2021		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2022		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2023		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2024		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2025		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
Total		173 / 6.293	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	173 / 6.293																	
Installation Schedule																															
	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173
Out	173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	173

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION				Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	-	-	0.498	3.544	-	3.544	24.737	36.663	54.826	55.856	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	-	-	0.498	3.544	-	3.544	24.737	36.663	54.826	55.856	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	-	-	0.498	3.544	-	3.544	24.737	36.663	54.826	55.856	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This line funds the retrofit of fielded CV-22 aircraft and related equipment. The CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) modification program includes, but is not limited to: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radars (SKR), SKR Ethernet and network connectivity upgrades, SKR navigational display enhancements, upgrades to correct deficiencies identified during operational testing and/or field operations, and improvements in reliability/maintainability of the SKR system. The United States Air Force MFP-4 and USSOCOM MFP-11 modification budgets fund CV-22 modifications. USSOCOM MFP-11 funds Special Operations Forces (SOF) specific modifications, and USAF MFP-4 funds modifications that are common with other USAF platforms and/or with the joint V-22 program. This budget line item also includes funds to upgrade CV-22 support equipment, training equipment, and weapon system software with changes driven by aircraft Engineering Change Proposals (ECPs).

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION					Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: CV-22				Modification Type: Added Capability				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB													
Procurement													
Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) ⁽¹⁾													
A Kits													
Recurring													
Silent Knight Radar (SKR)													
Subtotal: Recurring													
B Kits													
Recurring													
Silent Knight Radar (SKR) (CV-22)													
Initial Spares (Radars)													
Subtotal: Recurring													
Subtotal: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
Technical Support													
Subtotal: Support													
Installation													
Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)													
Subtotal: Installation													
Total													
Total Cost (Procurement + Support + Installation)													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020																					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1										P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION										Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)											
ID Code (A=Service Ready, B=Not Service Ready) :															MDAP/MAIS Code:																
Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)																															
Manufacturer Information																															
Manufacturer Name: Raytheon															Manufacturer Location: Forest, MS																
Administrative Leadtime (in Months): 0															Production Leadtime (in Months): 16																
Dates		FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025					
Contract Dates						Nov 2020				Nov 2021				Nov 2022				Nov 2023				Nov 2024									
Delivery Dates						Mar 2023				Mar 2024				Mar 2025				Mar 2026				Mar 2027									
Installation Information																															
Method of Implementation: Contractor																															
Installation Cost		Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total		FY 2022		FY 2023		FY 2024		FY 2025		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2020		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2021		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2022		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2023		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.065		- / -		- / -		- / -		4 / 1.065					
FY 2024		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 2.128		- / -		- / -		8 / 2.128					
FY 2025		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 3.200		- / -		12 / 3.200					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		26 / 6.923		26 / 6.923					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.065		8 / 2.128		12 / 3.200		26 / 6.923		50 / 13.316					
Installation Schedule																															
	PYS	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	26	50
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	2	2	2	2	3	3	3	3	26	50
Footnotes:																															
(1) The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program.																															

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION									Aggregated Items Title: CV-22 System					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - CV-22 Low Cost Modifications																				
1.1 / CV-22 Low Cost Modifications			-	-	6.813	-	-	1.950	-	-	1.980	-	-	2.020	-	-	-	-	-	2.020
Subtotal: 1 - CV-22 Low Cost Modifications			-	-	6.813	-	-	1.950	-	-	1.980	-	-	2.020	-	-	-	-	-	2.020
2 - CV-22 Mission Training and Preparation Systems																				
2.1 / CV-22 Simulator Block Upgrades			-	-	33.920	-	-	5.907	-	-	2.916	-	-	3.075	-	-	-	-	-	3.075
Subtotal: 2 - CV-22 Mission Training and Preparation Systems			-	-	33.920	-	-	5.907	-	-	2.916	-	-	3.075	-	-	-	-	-	3.075
Prior Year																				
Prior Year Recurring			18.438	52	958.772	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2 / Prior Year Non-Recurring			-	-	610.940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Prior Year			-	-	1,569.712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,610.445	-	-	7.857	-	-	4.896	-	-	5.095	-	-	-	-	-	5.095

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1105219BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	277.897	24.621	7.238	6.746	-	6.746	8.442	13.571	14.325	14.682	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	277.897	24.621	7.238	6.746	-	6.746	8.442	13.571	14.325	14.682	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	277.897	24.621	7.238	6.746	-	6.746	8.442	13.571	14.325	14.682	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The MQ-9 Unmanned Aerial Vehicle (UAV) line item funds the acquisition and rapid fielding of Special Operations Forces (SOF) unique mission kits, payloads, weaponization, modifications, production support for MQ-9 UAVs, Ground Control Stations (GCSs), and training systems. USSOCOM is designated the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks. As the combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance, Target Acquisition, and Strike. This P-1 line item includes FY 2020 direct Overseas Contingency Operations (OCO) funding (\$1.900 million). These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: 1105219BB			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	AVIATION				- / 277.897	- / 24.621	- / 7.238	- / 6.746	- / -	- / 6.746
P-40	Total Gross/Weapon System Cost				- / 277.897	- / 24.621	- / 7.238	- / 6.746	- / -	- / 6.746
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

FY 2021 PROGRAM JUSTIFICATION: Leverages other service and activity fielded capabilities in order to rapidly procure SOF-peculiar mission kits, mission payloads, weaponization, modifications, and production support.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command															Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE							Item Number / Title [DODIC]: AVIATION					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total					
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-					
Gross/Weapon System Cost <i>(\$ in Millions)</i>				277.897		24.621		7.238		6.746		-		6.746					
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Net Procurement (P-1) <i>(\$ in Millions)</i>				277.897		24.621		7.238		6.746		-		6.746					
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>				277.897		24.621		7.238		6.746		-		6.746					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																			
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	Unit Cost <i>(\$ M)</i>	Qty <i>(Each)</i>	Total Cost <i>(\$ M)</i>	
Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost																			
Recurring Cost																			
Mission Kits, Mission Payloads, Weaponization and Modifications	-	-	80.933	-	-	24.121	-	-	4.838	-	-	6.246	-	-	-	-	-	6.246	
Mission Kits and Mission Payloads OCO	-	-	14.000	-	-	-	-	-	1.900	-	-	-	-	-	-	-	-	-	
Mission Kits OCO - Sante Fe Pod and Modifications	-	-	5.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Production Support	-	-	5.529	-	-	0.500	-	-	0.500	-	-	0.500	-	-	-	-	-	0.500	
Prior Year Funding	-	-	133.873	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	240.115	-	-	24.621	-	-	7.238	-	-	6.746	-	-	-	-	-	6.746	
Non Recurring Cost																			
Prior Year Funding	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Non Recurring Cost	-	-	37.782	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost	-	-	277.897	-	-	24.621	-	-	7.238	-	-	6.746	-	-	-	-	-	6.746	
Gross/Weapon System Cost	-	-	277.897	-	-	24.621	-	-	7.238	-	-	6.746	-	-	-	-	-	6.746	
Remarks:																			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE	Item Number / Title [DODIC]: AVIATION
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
Quantities and unit costs vary based on mission requirements established by the operational community within the year of execution.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160403BB, 1160429BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	974.065	229.674	232.930	243.111	-	243.111	167.714	141.180	134.636	137.334	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	974.065	229.674	232.930	243.111	-	243.111	167.714	141.180	134.636	137.334	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	974.065	229.674	232.930	243.111	-	243.111	167.714	141.180	134.636	137.334	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	56.417	13.443	15.128	15.431	-	15.431	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	28.639	31.052	31.674	32.308	-	32.308	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Precision Strike Package (PSP) for Special Operations Forces (SOF) funds the procurement, installation, and rapid fielding of the PSP onto various SOF platforms and training devices to provide a close air support, air interdiction, and armed reconnaissance capability including sensors, communications systems, precision guided munition systems, mission operator pallet, gun systems and high energy laser. The recapitalization of the AC-130H, AC-130W, and AC-130U aircraft will be accomplished by installing PSP kits onto MC-130J service provided aircraft. The PSP kit is modular, scalable, and platform agnostic. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs						P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE				
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 1160403BB, 1160429BB				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Precision Strike Package	P-5a			20 / 974.065	5 / 229.674	5 / 232.930	5 / 243.111	- / -	5 / 243.111
P-40	Total Gross/Weapon System Cost				- / 974.065	- / 229.674	- / 232.930	- / 243.111	- / -	- / 243.111
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: FY 2021 PROGRAM JUSTIFICATION: Procures five PSP kits (including the large caliber gun capability), non-recurring AC-130J/W deficiency resolutions, test, hanger lease, technical orders, associated peculiar support equipment (includes installation hardware & special test equipment), contractor support, facilities, travel, initial spares, and other government costs for integration and test onto service provided MC-130J aircraft. Increase in other government costs is due to additional integration and testing of deficiency resolutions for block 30 aircraft to include cybersecurity updates.										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command													Date: February 2020								
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1							P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE						Item Number / Title [DODIC]: 1 / Precision Strike Package								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
Procurement Quantity <i>(Units in Each)</i>				20			5			5			5			-			5		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				974.065			229.674			232.930			243.111			-			243.111		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				974.065			229.674			232.930			243.111			-			243.111		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				974.065			229.674			232.930			243.111			-			243.111		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				56.417			13.443			15.128			15.431			-			15.431		
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total					
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)			
Hardware - Armament/Weapons Delivery Cost																					
Recurring Cost																					
PSP Kit and Installs ^(†)	24.976	19	474.546	31.052	5	155.263	31.674	5	158.368	32.308	5	161.540	-	-	-	32.308	5	161.540			
PSP Kit OCO	25.556	1	25.556	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Prior Year Recurring Costs	-	-	286.412	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost	-	-	786.514	-	-	155.263	-	-	158.368	-	-	161.540	-	-	-	-	-	161.540			
Non Recurring Cost																					
AC-130J Deficiency Resolutions	-	-	5.280	-	-	13.833	-	-	14.109	-	-	15.830	-	-	-	-	-	15.830			
AC-130W Deficiency Resolutions	-	-	12.293	-	-	5.663	-	-	5.776	-	-	5.892	-	-	-	-	-	5.892			
Test	-	-	-	-	-	0.903	-	-	0.921	-	-	0.940	-	-	-	-	-	0.940			
Prior Year Non-Recurring Costs	-	-	56.733	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Non Recurring Cost	-	-	74.306	-	-	20.399	-	-	20.806	-	-	22.662	-	-	-	-	-	22.662			
Subtotal: Hardware - Armament/Weapons Delivery Cost	-	-	860.820	-	-	175.662	-	-	179.174	-	-	184.202	-	-	-	-	-	184.202			
Support - Armament/Weapons Delivery Cost																					
Hanger Lease	-	-	-	-	-	8.336	-	-	8.503	-	-	8.673	-	-	-	-	-	8.673			
Technical Orders	-	-	1.750	-	-	2.250	-	-	1.830	-	-	2.295	-	-	-	-	-	2.295			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command													Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1						P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE							Item Number / Title [DODIC]: 1 / Precision Strike Package					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Peculiar Support Equipment	-	-	12.973	-	-	3.452	-	-	2.570	-	-	3.521	-	-	-	-	-	3.521
Contractor Support	-	-	23.711	-	-	19.068	-	-	20.833	-	-	21.250	-	-	-	-	-	21.250
Facilities	-	-	0.185	-	-	1.517	-	-	1.624	-	-	1.657	-	-	-	-	-	1.657
Travel	-	-	0.630	-	-	0.612	-	-	0.628	-	-	0.641	-	-	-	-	-	0.641
Initial Spares	-	-	56.417	-	-	13.443	-	-	15.128	-	-	15.431	-	-	-	-	-	15.431
Other Government Costs	-	-	17.579	-	-	5.334	-	-	2.640	-	-	5.441	-	-	-	-	-	5.441
Subtotal: Support - Armament/Weapons Delivery Cost	-	-	113.245	-	-	54.012	-	-	53.756	-	-	58.909	-	-	-	-	-	58.909
Gross/Weapon System Cost	-	20	974.065	-	5	229.674	-	5	232.930	-	5	243.111	-	-	-	-	5	243.111

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE	Item Number / Title [DODIC]: 1 / Precision Strike Package

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ M)	Specs Avail Now?	Date Revision Available	RFP Issue Date
PSP Kit and Installs		2019	Various / Various	Various	Various	Mar 2019	Jun 2020	5	31.052	Y		
PSP Kit and Installs		2020	Various / Various	Various	Various	Mar 2020	Jun 2021	5	31.674	Y		
PSP Kit and Installs		2021	Various / Various	Various	Various	Mar 2021	Jan 2022	5	32.308	Y		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160403BB				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	489.854	163.181	143.232	163.914	-	163.914	213.649	296.535	322.669	333.789	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	489.854	163.181	143.232	163.914	-	163.914	213.649	296.535	322.669	333.789	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	489.854	163.181	143.232	163.914	-	163.914	213.649	296.535	322.669	333.789	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	13.549	21.960	6.634	13.975	-	13.975	2.338	11.198	17.424	25.850	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The AC/MC-130J line funds the replacement and rapid fielding of Special Operations Forces (SOF) capabilities on these aging airframes: 14 MC-130E Combat Talon I, 23 MC-130P Combat Shadow, and 20 MC-130H Combat Talon II aircraft. "AC" strike platforms perform close air support, air interdiction, and armed reconnaissance missions. "MC" mobility platforms perform clandestine or low visibility, single, or multi-ship low-level missions intruding politically-sensitive or hostile territory. The AC/MC-130J project funds core SOF-unique modifications to replace aging/retired legacy strike and mobility C-130 aircraft. The AC-130J Ghost Rider aircraft are modified with the Precision Strike Package (PSP) to replace the AC-130H Spectre (8 of 8 retired), AC-130W Stinger II (3 of 12 retired) and AC-130U Spooky (11 of 17 retired) airframes. The AC-130J aircraft will provide close air support, air interdiction, and armed reconnaissance capability. MC-130J Commando II aircraft are being modified with SOF mission capabilities to replace the MC-130E Combat Talon I (14 of 14 retired), MC-130P Combat Shadow (23 of 23 retired), and MC-130H Combat Talon II (4 of 20 retired) airframes. The MC-130J Commando II provides clandestine, single or multi-ship low-level aerial refueling for special operations helicopters and CV-22 aircraft, and performs airdrops of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft. The Air Force procures and fields the basic aircraft, common support equipment, and Weapon System Trainers (WST). USSOCOM modifies the WST with SOF-peculiar equipment and procures additional training devices for SOF unique mission systems. Rapid fielding and incremental upgrades are used to integrate SOF capabilities onto the aircraft. SOF capabilities include, but are not limited to, real time situational awareness, data fusion, threat detection and avoidance, integrated Terrain Following/Terrain Avoidance (TF/TA), navigation, electronic warfare, dynamic route replanning, and embedded training. Integrating SOF mission systems and automating these capabilities is critical to fielding SOF-capable AC/MC-130J aircraft to recapitalize Air Force Special Operations Command's (AFSOC) legacy C-130 fleet and reduce the required crew complement for this operational environment. This budget line item also funds AC/MC-130J efforts related to communications security and joint/coalition interoperability, such as Cryptographic Modernization. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J
---	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
--	---	--

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / Special Mission System (SMS) (System Upgrade)				- / 138.995	- / 47.808	- / 47.161	- / 44.823	- / -	- / 44.823
P-3a	2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) (System Upgrade)				- / 40.244	- / 54.741	- / 11.443	- / 30.378	- / -	- / 30.378
P-3a	3 / AC-130J (PSP Retrofit) (System Upgrade)				- / 180.216	- / 32.629	- / 33.798	- / 35.052	- / -	- / 35.052
P-3a	4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade)				- / 3.329	- / 4.888	- / 6.807	- / 16.966	- / -	- / 16.966
P-3a	5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (System Upgrade)				- / -	- / 6.528	- / 8.964	- / 29.389	- / -	- / 29.389
P-40a	AC/MC-130J Systems				- / 127.070	- / 16.587	- / 35.059	- / 7.306	- / -	- / 7.306
P-40	Total Gross/Weapon System Cost				- / 489.854	- / 163.181	- / 143.232	- / 163.914	- / -	- / 163.914

Exhibits Schedule					FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-3a	1 / Special Mission System (SMS) (System Upgrade)				- / 53.712	- / 53.120	- / 60.205	- / 61.366	Continuing	Continuing
P-3a	2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) (System Upgrade)				- / 63.600	- / 131.203	- / 150.131	- / 157.800	Continuing	Continuing
P-3a	3 / AC-130J (PSP Retrofit) (System Upgrade)				- / 24.684	- / 15.982	- / -	- / -	Continuing	Continuing
P-3a	4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade)				- / 22.701	- / 31.236	- / 39.281	- / 40.067	Continuing	Continuing
P-3a	5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (System Upgrade)				- / 36.958	- / 51.619	- / 59.017	- / 60.197	Continuing	Continuing
P-40a	AC/MC-130J Systems				- / -	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 213.649	- / 296.535	- / 322.669	- / 333.789	Continuing	Continuing

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2021 PROGRAM JUSTIFICATION: Procures five Special Mission System (SMS) kits for installation on five AC/MC-130J aircraft plus support costs. Supports technical risk reduction, consolidation of technical data, and modification for MC-130J mission systems which interface to the aircraft and each other through the SMS. Procures two Electronic Warfare Radio Frequency Countermeasures (RFCM) A Kits, and two B Kits for installation on the AC/MC-130J aircraft plus initial spares and support costs. Funds integration of five MC-130J aircraft PSP retrofit modifications and other government costs to the AC-130J configuration. MC-130J kit procurement is focused on meeting the consolidated modification line installation schedule. Procures four Airborne Mission Networking (AbMN) A-kits for consolidated modification line installation on the MC-130J plus other government costs. Procures four MC-130 SOF common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) A Kits and three B Kits for consolidated modification line installation on the MC-130J aircraft plus other government costs, interim contractor support (labor), and peculiar support equipment. Procures four Auxiliary Flight Deck Station (AFDS) kits for consolidated modification line installation on the MC-130J aircraft plus other government costs, interim contractor support (labor), and peculiar support equipment. Supports modifications to include, but not limited to: Defensive Systems Upgrades (DSU) and Variable Speed Drogue (VSD) and Weight Management (WM) on MC-130J aircraft plus support costs.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs		P-1 Line Item Number / Title: 2012C130J / AC/MC-130J
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160403BB
Line Item MDAP/MAIS Code: 0000		
<p>The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.</p> <p>Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</p> <ul style="list-style-type: none"> (a) FY 2022 Cost Delta: 11.994 million (b) FY 2023 Cost Delta: 13.375 million (c) FY 2024 Cost Delta: 14.035 million (d) FY 2025 Cost Delta: 14.359 million (e) To Complete and Total Delta: Continuing 		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command							Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J				Modification Number / Title: 1 / Special Mission System (SMS)			

ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:				
---	--	--	--	--	--	--	------------------------	--	--	--	--

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	138.995	47.808	47.161	44.823	-	44.823	53.712	53.120	60.205	61.366	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	138.995	47.808	47.161	44.823	-	44.823	53.712	53.120	60.205	61.366	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	138.995	47.808	47.161	44.823	-	44.823	53.712	53.120	60.205	61.366	Continuing	Continuing

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	4.272	5.447	6.634	2.266	-	2.266	1.838	1.911	1.949	4.849	Continuing	Continuing
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program incrementally procures and integrates, onto AC/MC-130J aircraft, Special Operations Forces (SOF)-unique modifications necessary to correspond with the incremental upgrade strategy of the AC/MC-130J Program. The Special Mission System (SMS) program integrates SOF-peculiar capabilities with existing aircraft controls and displays, and enables hosting of SOF mission software applications. Supports technical risk reduction and consolidation of technical data and modification for systems which interface to the aircraft and each other through the SMS. Auxiliary Flight Deck Station (AFDS) and SMS equipment will be installed by contractor or depot onto AC-130J and MC-130J aircraft.

This program will be going to Full Rate Production contract in FY22 which will utilize a competitive award. Delivery dates will be provided upon contract award.

Development Status/Major Development Milestones

Date	Title	Description
Nov 2014	MS C	Milestone C

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 1 / Special Mission System (SMS)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB													
Procurement													
Modification Item 1 of 1: AC/MC-130J SMS													
A Kits													
Recurring													
AC/MC-130J Aircraft Kits ⁽¹⁾													
AC/MC-130J Aircraft Modifications (Labor) ⁽²⁾													
Subtotal: Recurring													
B Kits													
Recurring													
AC/MC-130J Special Mission Processor Kits (LRU) ⁽³⁾													
Subtotal: Recurring													
Non-Recurring													
AC/MC-130J Initial Spares ⁽⁴⁾													
AC/MC-130J Diminishing Manufacturing Sources (DMS) Technology Refresh ⁽⁵⁾													
AC/MC-130J Technical Data/Publications													
Subtotal: Non-Recurring													
Subtotal: AC/MC-130J SMS													
Subtotal: Procurement, All Modification Items													
Support (All Modification Items)													
AC/MC-130J Simulator/Training Systems ⁽⁶⁾													
AC/MC-130J Non-Recurring Engineering Support (Integration)													
AC/MC-130J Other Government Costs													
MC-130J Technical Data/Publications													
MC-130J Consolidated Modification Line Infrastructure													
MC-130J Consolidated Modification Line Support Equipment ⁽⁷⁾													
Subtotal: Support													
Installation													
Subtotal: Installation													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 1 / Special Mission System (SMS)				
ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:							
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
Total													
Total Cost (Procurement + Support + Installation)		138.995	47.808	47.161	44.823	-	44.823	53.712	53.120	60.205	61.366	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 1 / Special Mission System (SMS)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: AC/MC-130J SMS							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 18			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Jan 2019	Feb 2020	Feb 2021	Feb 2022	Feb 2023	Feb 2024	Feb 2025
Delivery Dates	Jul 2020	Aug 2021	Aug 2022	Aug 2023	Aug 2024	Aug 2025	Aug 2026
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic					Installation Quantity: 31		
Method of Implementation (Organic): Modification Line					Installation Quantity: 63		
<p>Footnotes:</p> <p>(1) FY19-FY25 reflects kits procured (18 month lead time) for the AC-130J aircraft at a rate of 5 per year. FY22-FY30 reflects kits procured for MC-130J aircraft at a rate of 6 per year.</p> <p>(2) FY19-FY25 Aircraft modifications reflects AC-130J 5/5/5/5/5/0 and MC-130J 4/6/0/0/0/6/6</p> <p>(3) Special Mission Systems LRU's are procured at a rate of 2 per aircraft for a total of 302 (37 AC/57MC)</p> <p>(4) Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 2 AC-130J and 7 MC-130J operating bases.</p> <p>(5) FY18 AC/MC-130J Diminishing Manufacturing Sources (DMS) complete issue resolution on the Special Mission Processor (SMP). FY19 initiated DMS driven SMP replacement and technical refresh with a FY20 procurement to meet delivery schedule for MC-130J aircraft modification, and satisfies spares requirements AC/MC-130J.</p> <p>(6) Simulator/trainers procurement supports modifications to existing crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract</p> <p>(7) MC-130J Modification equipment supports the stand up of facilities for the consolidated modification line to include but not limited to: tooling, fire suppression and support equipment.</p>							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM)

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	40.244	54.741	11.443	30.378	-	30.378	63.600	131.203	150.131	157.800	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	40.244	54.741	11.443	30.378	-	30.378	63.600	131.203	150.131	157.800	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	40.244	54.741	11.443	30.378	-	30.378	63.600	131.203	150.131	157.800	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	9.277	15.269	-	4.069	-	4.069	-	-	1.742	4.650	Continuing	Continuing
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program procures and fields Radio Frequency Countermeasures (RFCM) for AC/MC-130J fleet. The RFCM suite detects, identifies and provides geo-located threat position data to the Situational Awareness system and display, and determines and implements appropriate response to eliminate or degrade the threat.

Program will competitively award initial production contract in FY 2020.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM)			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 94.978	- / 17.094	- / 53.139	- / 52.934	- / -	- / 52.934	- / 19.153	- / -	- / 9.000	- / 9.180	- / -	- / 255.478	
Procurement													
Modification Item 1 of 1: AC/MC-130J RF Countermeasures													
A Kits													
Recurring													
AC/MC-130J Aircraft Kits	4 / 3.636	- / -	- / -	2 / 6.267	- / -	2 / 6.267	5 / 15.665	11 / 35.156	11 / 35.860	11 / 36.575	Continuing	Continuing	
AC/MC-130J Aircraft Modifications (Labor)	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.692	- / 11.964	- / 21.185	- / 21.608	Continuing	Continuing	
Subtotal: Recurring	- / 3.636	- / -	- / -	- / 6.267	- / -	- / 6.267	- / 20.357	- / 47.120	- / 57.045	- / 58.183	Continuing	Continuing	
B Kits													
Recurring													
AC/MC-130J Aircraft Hardware	4 / 15.136	3 / 23.907	1 / 8.128	2 / 16.581	- / -	2 / 16.581	4 / 33.820	8 / 68.945	10 / 87.940	10 / 89.730	Continuing	Continuing	
Subtotal: Recurring	- / 15.136	- / 23.907	- / 8.128	- / 16.581	- / -	- / 16.581	- / 33.820	- / 68.945	- / 87.940	- / 89.730	Continuing	Continuing	
Non-Recurring													
AC/MC-130J Initial Spares ⁽⁸⁾	- / 9.277	- / 15.269	- / -	- / 4.069	- / -	- / 4.069	- / -	- / -	- / 1.742	- / 4.650	Continuing	Continuing	
Subtotal: Non-Recurring	- / 9.277	- / 15.269	- / -	- / 4.069	- / -	- / 4.069	- / -	- / -	- / 1.742	- / 4.650	Continuing	Continuing	
Subtotal: AC/MC-130J RF Countermeasures	- / 28.049	- / 39.176	- / 8.128	- / 26.917	- / -	- / 26.917	- / 54.177	- / 116.065	- / 146.727	- / 152.563	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 28.049	- / 39.176	- / 8.128	- / 26.917	- / -	- / 26.917	- / 54.177	- / 116.065	- / 146.727	- / 152.563	Continuing	Continuing	
Support (All Modification Items)													
Simulator/Training Systems ⁽⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.605	- / 2.610	- / -	- / 1.650	Continuing	Continuing	
PMA Government Costs	- / 1.060	- / 3.150	- / 1.750	- / 1.820	- / -	- / 1.820	- / 1.643	- / 1.720	- / 1.790	- / 1.825	Continuing	Continuing	
Other Government Costs	- / 3.640	- / 2.615	- / 1.565	- / 1.641	- / -	- / 1.641	- / 1.313	- / 1.426	- / 1.602	- / 1.750	Continuing	Continuing	
System Integration Lab Kit	- / 7.495	- / 9.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 17.295	
Interim Contractor Support (Labor)	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.000	- / 3.130	- / -	- / -	Continuing	Continuing	
Depot Activation ⁽¹⁰⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.252	- / -	- / -	- / -	- / 6.252	
Organizational Level Support Equipment	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.850	- / -	- / -	- / -	- / -	- / 0.850	
Peculiar Support Equipment ⁽¹¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.012	- / -	- / 0.012	- / 0.012	Continuing	Continuing	
Subtotal: Support	- / 12.195	- / 15.565	- / 3.315	- / 3.461	- / -	- / 3.461	- / 9.423	- / 15.138	- / 3.404	- / 5.237	Continuing	Continuing	
Installation													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM)			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	
<i>Subtotal: Installation</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	<i>- / -</i>	
Total													
Total Cost (Procurement + Support + Installation)	40.244	54.741	11.443	30.378	-	30.378	63.600	131.203	150.131	157.800	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020	
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: AC/MC-130J RF Countermeasures							
Manufacturer Information							
Manufacturer Name: BAE Systems, Inc. (A Kits)				Manufacturer Location: Totowa, NJ			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 9			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Dec 2018						
Delivery Dates	Sep 2019						
Manufacturer Name: BAE Systems, Inc. (B Kits)				Manufacturer Location: Totowa, NJ			
Administrative Leadtime (<i>in Months</i>): 2				Production Leadtime (<i>in Months</i>): 25			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Dec 2018						
Delivery Dates	Jan 2021						
Manufacturer Name: Competitive Award (A Kits and B Kits)				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>): 8			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates		May 2020					
Delivery Dates		Jan 2021					
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic						Installation Quantity: 94	
<p>Footnotes:</p> <p>⁽⁸⁾ AC/MC-130J Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 5 AC-130J and 7 MC-130J operating bases.</p> <p>⁽⁹⁾ Simulator/trainers procurement supports modifications to crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract</p> <p>⁽¹⁰⁾ Depot activation procurement supports transition to government software sustainment</p> <p>⁽¹¹⁾ Peculiar support equipment procurement provides for the equipment to install and remove transmit antenna Line Replaceable units.</p>							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 3 / AC-130J (PSP Retrofit)

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	180.216	32.629	33.798	35.052	-	35.052	24.684	15.982	-	-	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	180.216	32.629	33.798	35.052	-	35.052	24.684	15.982	-	-	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	180.216	32.629	33.798	35.052	-	35.052	24.684	15.982	-	-	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This modification program prepares the MC-130J aircraft for Precision Strike Package (PSP) integration. A total of 37 MC-130Js will be modified with the PSP to provide the AC-130J close air support, air interdiction, and armed reconnaissance capability in accordance with the Capability Production Document (CPD) for AC-130J. AC-130J CPD defines a 37 MC-130J aircraft program.

Note: Quantity is 38 due to loss of aircraft 1. Total inventory at end of program will be 37 aircraft.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1					P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 3 / AC-130J (PSP Retrofit)			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: AC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 10.163	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Procurement													
Modification Item 1 of 1: AC-130J PSP Retrofit													
A Kits													
Recurring													
Aircraft Kits	19 / 105.051	5 / 29.618	5 / 30.212	5 / 32.132	- / -	5 / 32.132	3 / 19.022	1 / 6.257	- / -	- / -	Continuing	Continuing	
Aircraft Modifications Overseas Contingency Operations (OCO)	1 / 5.024	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.024	
Other Governmental Costs	- / 32.044	- / 3.011	- / 3.586	- / 2.920	- / -	- / 2.920	- / 5.662	- / 9.725	- / -	- / -	Continuing	Continuing	
Other Governmental Costs OCO	- / 1.476	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.476	
Subtotal: Recurring	- / 143.595	- / 32.629	- / 33.798	- / 35.052	- / -	- / 35.052	- / 24.684	- / 15.982	- / -	- / -	Continuing	Continuing	
Non-Recurring													
Prior Year Funding	- / 36.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.621	
Subtotal: Non-Recurring	- / 36.621	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.621	
Subtotal: AC-130J PSP Retrofit	- / 180.216	- / 32.629	- / 33.798	- / 35.052	- / -	- / 35.052	- / 24.684	- / 15.982	- / -	- / -	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 180.216	- / 32.629	- / 33.798	- / 35.052	- / -	- / 35.052	- / 24.684	- / 15.982	- / -	- / -	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	180.216	32.629	33.798	35.052	-	35.052	24.684	15.982	-	-	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1		P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 3 / AC-130J (PSP Retrofit)		
ID Code (A=Service Ready, B=Not Service Ready) :				MDAP/MAIS Code:			
Modification Item 1 of 1: AC-130J PSP Retrofit							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Lexington, KY			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 10			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Nov 2018	Nov 2019	Nov 2020	Nov 2021	Nov 2022		
Delivery Dates	Sep 2019	Sep 2020	Sep 2021	Sep 2022	Sep 2023		
Installation Information							
Method of Implementation (Organic): Modification Line					Installation Quantity: 38		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1	P-1 Line Item Number / Title: 2012C130J / AC/MC-130J	Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN)

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	3.329	4.888	6.807	16.966	-	16.966	22.701	31.236	39.281	40.067	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	3.329	4.888	6.807	16.966	-	16.966	22.701	31.236	39.281	40.067	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.329	4.888	6.807	16.966	-	16.966	22.701	31.236	39.281	40.067	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	1.244	-	0.636	-	0.636	0.500	2.000	2.584	4.979	Continuing	Continuing
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program procures the Special Operations Forces (SOF)-unique mission equipment (radios, computers, network hardware, displays, antennas, software, etc.) and aircraft modifications required to integrate the Airborne Mission Networking (AbMN) system on MC-130J aircraft. AbMN provides a suite of integrated situational awareness and communication tools providing the crew with a correlated common operating picture of the air and ground battlespace that does not currently exist in SOF mobility aircraft. AbMN reduces MC-130J crew workload requirements to execute clandestine SOF insertion/extraction, aerial refueling, and airdrop missions previously performed by five crew members on the MC-130H Combat Talon II.

Program will competitively award a Full Rate Production contract in FY21.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command										Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN)			
ID Code (A=Service Ready, B=Not Service Ready) :								MDAP/MAIS Code:					
Models of Systems Affected: MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB	- / 20.883	- / 4.169	- / -	- / 2.688	- / -	- / 2.688	- / -	- / -	- / -	- / -	- / -	- / 27.740	
Procurement													
Modification Item 1 of 1: MC-130J Airborne Mission Networking (AbMN)													
A Kits													
Recurring													
MC-130J Aircraft Kits Group A&B	- / -	- / 3.494	2 / 1.487	4 / 4.882	- / -	4 / 4.882	6 / 7.860	6 / 7.860	6 / 7.860	6 / 7.856	Continuing	Continuing	
MC-130J Aircraft Modifications (Labor)	- / -	- / -	- / 3.132	2 / 10.170	- / -	2 / 10.170	4 / 10.670	6 / 17.192	6 / 25.796	6 / 25.800	Continuing	Continuing	
Subtotal: Recurring	- / -	- / 3.494	- / 4.619	- / 15.052	- / -	- / 15.052	- / 18.530	- / 25.052	- / 33.656	- / 33.656	Continuing	Continuing	
B Kits													
Recurring													
MC-130J Hardware ⁽¹²⁾	- / -	- / -	2 / 1.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.428	
Subtotal: Recurring	- / -	- / -	2 / 1.428	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.428	
Non-Recurring													
MC-130J Initial Spares ⁽¹³⁾	- / -	- / 1.244	- / -	- / 0.636	- / -	- / 0.636	- / 0.500	- / 2.000	- / 2.584	- / 4.979	Continuing	Continuing	
Subtotal: Non-Recurring	- / -	- / 1.244	- / -	- / 0.636	- / -	- / 0.636	- / 0.500	- / 2.000	- / 2.584	- / 4.979	Continuing	Continuing	
Subtotal: MC-130J Airborne Mission Networking (AbMN)	- / -	- / 4.738	- / 6.047	- / 15.688	- / -	- / 15.688	- / 19.030	- / 27.052	- / 36.240	- / 38.635	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / -	- / 4.738	- / 6.047	- / 15.688	- / -	- / 15.688	- / 19.030	- / 27.052	- / 36.240	- / 38.635	Continuing	Continuing	
Support (All Modification Items)													
Diminishing Manufacturing Sources (DMS)/Technology Refresh	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.000	- / 1.000	- / 1.000	Continuing	Continuing	
Simulator/Training Systems ⁽¹⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.000	- / 1.000	- / -	Continuing	Continuing	
Other Government Costs	- / 0.729	- / 0.150	- / 0.760	- / 1.278	- / -	- / 1.278	- / 2.671	- / 2.184	- / 1.041	- / 0.432	Continuing	Continuing	
System Integration Lab Kit	- / 2.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.600	
Subtotal: Support	- / 3.329	- / 0.150	- / 0.760	- / 1.278	- / -	- / 1.278	- / 3.671	- / 4.184	- / 3.041	- / 1.432	Continuing	Continuing	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: MC-130J				Modification Type: System Upgrade					Related RDT&E PEs: 1160403BB				
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
	Total Cost (Procurement + Support + Installation)	3.329	4.888	6.807	16.966	-	16.966	22.701	31.236	39.281	40.067	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: MC-130J Airborne Mission Networking (AbMN)							
Manufacturer Information							
Manufacturer Name: Sierra Nevada Corporation (SNC)				Manufacturer Location: Centennial, CO			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Feb 2019	Dec 2019	Dec 2020	Dec 2021	Dec 2022	Dec 2023	Dec 2024
Delivery Dates	Feb 2020	Dec 2020	Dec 2021	Dec 2022	Dec 2023	Dec 2024	Dec 2025
Manufacturer Name: Competitive Award (A/B Kits & Installation)				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates			Aug 2021				
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic					Installation Quantity: 7		
Method of Implementation (Organic): Modification Line					Installation Quantity: 48		
Footnotes: ⁽¹²⁾ The MC-130J AbMN program relies on Air Force funding for service common hardware and software. The Air Force funding provides Beyond Line of Site, Line of Site, and Full Motion Video datalink capabilities on the MC-130J that directly feed primary data to the SOF tactical displays. MC-130J SOF peculiar hardware and software includes communications and data processing, threat correlation, and tactical display hardwares to the operator. This budget line item only captures the SOF peculiar MC-130J AbMN aircraft kit cost, but this program is reliant on the associated Air Force funding to provide a complete AbMN capability set. ⁽¹³⁾ MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. ⁽¹⁴⁾ Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract.							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command						Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J				Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)			

ID Code (A=Service Ready, B=Not Service Ready) :						MDAP/MAIS Code:						
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	-	6.528	8.964	29.389	-	29.389	36.958	51.619	59.017	60.197	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	-	6.528	8.964	29.389	-	29.389	36.958	51.619	59.017	60.197	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	-	6.528	8.964	29.389	-	29.389	36.958	51.619	59.017	60.197	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	7.004	-	7.004	-	7.287	11.149	11.372	Continuing	Continuing
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program procures the MC-130 SOF common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) or APQ-187 and aircraft modifications required to integrate the subsystem on MC-130J aircraft. The TF/TA SKR subsystem provides SOF common low probability of intercept/low probability of detection capabilities to defeat advanced passive detection threats while maintaining the ability to fly safely.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

This program will be a Full Rate Production contract for aircraft kits in FY 2022.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1				P-1 Line Item Number / Title: 2012C130J / AC/MC-130J					Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)				
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:						
Models of Systems Affected: AC/MC-130J				Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total	
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	
RDT&E PE #													
1160403BB - / 135.279 - / 3.089 - / 2.476 - / 2.362 - / - - / 2.362 - / 2.095 - / 2.139 - / 2.189 - / 2.233 - / - - / 151.862													
Procurement													
Modification Item 1 of 1: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) ⁽¹⁵⁾													
A Kits													
Recurring													
MC-130J Aircraft Kits	- / -	3 / 4.050	2 / 3.121	4 / 7.641	- / -	4 / 7.641	6 / 9.242	6 / 9.937	6 / 10.135	6 / 12.406	Continuing	Continuing	
MC-130J Aircraft Modifications (Labor)	- / -	- / -	- / 1.144	- / 2.335	- / -	- / 2.335	- / 4.463	- / 7.287	- / 7.433	- / 7.581	Continuing	Continuing	
Subtotal: Recurring	- / -	- / 4.050	- / 4.265	- / 9.976	- / -	- / 9.976	- / 13.705	- / 17.224	- / 17.568	- / 19.987	Continuing	Continuing	
B Kits													
Recurring													
MC-130J TF/TA (Silent Knight) Radar/APQ-187	- / -	- / 1.448	1 / 3.432	3 / 10.506	- / -	3 / 10.506	6 / 21.432	6 / 21.861	6 / 22.298	6 / 22.298	Continuing	Continuing	
Subtotal: Recurring	- / -	- / 1.448	- / 3.432	- / 10.506	- / -	- / 10.506	- / 21.432	- / 21.861	- / 22.298	- / 22.298	Continuing	Continuing	
Non-Recurring													
MC-130J Initial Spares ⁽¹⁶⁾	- / -	- / -	- / -	- / 7.004	- / -	- / 7.004	- / -	- / 7.287	- / 11.149	- / 11.372	Continuing	Continuing	
Subtotal: Non-Recurring	- / -	- / -	- / -	- / 7.004	- / -	- / 7.004	- / -	- / 7.287	- / 11.149	- / 11.372	Continuing	Continuing	
Subtotal: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)	- / -	- / 5.498	- / 7.697	- / 27.486	- / -	- / 27.486	- / 35.137	- / 46.372	- / 51.015	- / 53.657	Continuing	Continuing	
Subtotal: Procurement, All Modification Items - / - - / 5.498 - / 7.697 - / 27.486 - / - - / 27.486 - / 35.137 - / 46.372 - / 51.015 - / 53.657 Continuing Continuing													
Support (All Modification Items)													
Diminishing Manufacturing Sources (DMS)/Technology Refresh	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.633	- / 4.013	Continuing	Continuing	
Simulators/Training Systems ⁽¹⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.827	- / 2.903	- / -	Continuing	Continuing	
Other Government Costs	- / -	- / 0.512	- / 0.816	- / 1.261	- / -	- / 1.261	- / 1.179	- / 2.378	- / 2.424	- / 2.485	Continuing	Continuing	
Interim Contractor Support (Labor)	- / -	- / 0.400	- / 0.429	- / 0.600	- / -	- / 0.600	- / 0.600	- / -	- / -	- / -	- / -	- / 2.029	
Peculiar Support Equipment ⁽¹⁸⁾	- / -	- / 0.118	- / 0.022	- / 0.042	- / -	- / 0.042	- / 0.042	- / 0.042	- / 0.042	- / 0.042	Continuing	Continuing	
Subtotal: Support	- / -	- / 1.030	- / 1.267	- / 1.903	- / -	- / 1.903	- / 1.821	- / 5.247	- / 8.002	- / 6.540	Continuing	Continuing	
Installation													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command									Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J						Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)			
ID Code (A=Service Ready, B=Not Service Ready) :							MDAP/MAIS Code:					
Models of Systems Affected: AC/MC-130J			Modification Type: System Upgrade				Related RDT&E PEs: 1160403BB					
Financial Plan	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	-	6.528	8.964	29.389	-	29.389	36.958	51.619	59.017	60.197	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command					Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1			P-1 Line Item Number / Title: 2012C130J / AC/MC-130J			Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)	
ID Code (A=Service Ready, B=Not Service Ready) :					MDAP/MAIS Code:		
Modification Item 1 of 1: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)							
Manufacturer Information							
Manufacturer Name: Lockheed Martin				Manufacturer Location: Marietta, GA			
Administrative Leadtime (<i>in Months</i>): 0				Production Leadtime (<i>in Months</i>): 14			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates	Oct 2019	Feb 2020	Feb 2021				
Delivery Dates	Dec 2020	Apr 2021	Apr 2022				
Manufacturer Name: Competitive Award				Manufacturer Location: TBD			
Administrative Leadtime (<i>in Months</i>):				Production Leadtime (<i>in Months</i>):			
Dates	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Contract Dates				May 2022	May 2023	May 2024	May 2025
Delivery Dates							
Installation Information							
Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic					Installation Quantity: 9		
Method of Implementation (Organic): Modification Line					Installation Quantity: 16		
Footnotes: ⁽¹⁵⁾ The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. ⁽¹⁶⁾ MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. ⁽¹⁷⁾ Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract. ⁽¹⁸⁾ Peculiar Support equipment procurements provides for the installation, removal, and repair of the TF/TA SKR and associated Line Replaceable Units (LRU).							

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command														Date: February 2020						
Appropriation / Budget Activity / Budget Sub Activity:						P-1 Line Item Number / Title:								Aggregated Items Title:						
0300D / 02 / 1						2012C130J / AC/MC-130J								AC/MC-130J Systems						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Mission Training Preparation Systems (MTPS)																				
1.1 / AC-130J Fuselage Trainer			-	-	20.145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Gun Training Room			-	-	7.400	-	-	-	7.748	1	7.748	-	-	-	-	-	-	-	-	-
1.3 / Weapons Load Trainer			-	-	7.543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4 / Aft Cabin Trainer			-	-	7.325	-	-	-	8.058	2	16.116	-	-	-	-	-	-	-	-	-
1.5 / Long Lead Material			-	-	5.330	2.946	1	2.946	3.105	1	3.105	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Mission Training Preparation Systems (MTPS)			-	-	47.743	-	-	2.946	-	-	26.969	-	-	-	-	-	-	-	-	-
2 - MC-130J Block 16 Upgrades																				
2.1 / Recurring Hardware			-	-	10.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - MC-130J Block 16 Upgrades			-	-	10.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 - MC-130J Auxiliary Flight Deck Station																				
3.1 / MC-130J Aircraft Kits			-	-	0.730	-	-	-	0.334	2	0.668	0.341	4	1.363	-	-	-	0.341	4	1.363
3.2 / MC-130J Aircraft Modifications (Labor)			-	-	-	-	-	-	-	-	0.555	-	-	1.132	-	-	-	-	-	1.132
Subtotal: 3 - MC-130J Auxiliary Flight Deck Station			-	-	0.730	-	-	-	-	-	1.223	-	-	2.495	-	-	-	-	-	2.495
4 - AC/MC-130J Tanker																				
4.1 / AC/MC-130J Defense Systems Upgrades			-	-	7.132	-	-	9.068	-	-	4.717	-	-	2.683	-	-	-	-	-	2.683
4.2 / AC/MC-130J Weight Management			-	-	-	-	-	4.573	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - AC/MC-130J Tanker			-	-	7.132	-	-	13.641	-	-	4.717	-	-	2.683	-	-	-	-	-	2.683
5 - MC-130J Variable Speed Drogue																				
5.1 / Drogue Hardware			-	-	-	-	-	-	-	-	2.150	-	-	2.128	-	-	-	-	-	2.128
Subtotal: 5 - MC-130J Variable Speed Drogue			-	-	-	-	-	-	-	-	2.150	-	-	2.128	-	-	-	-	-	2.128
Prior Year																				
Completed Efforts			-	-	61.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year			-	-	61.166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	127.070	-	-	16.587	-	-	35.059	-	-	7.306	-	-	-	-	-	7.306
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs							P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160427BB, 1160404BB, 1160403BB				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,508.826	72.942	15.582	20.414	-	20.414	14.985	15.545	18.217	18.595	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,508.826	72.942	15.582	20.414	-	20.414	14.985	15.545	18.217	18.595	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,508.826	72.942	15.582	20.414	-	20.414	14.985	15.545	18.217	18.595	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	8.338	-	-	-	-	-	-	-	-	-	-	8.338
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The C-130 Modifications line item funds Special Operations Forces (SOF) unique modifications and rapid fielding to various SOF models of the C-130 aircraft and associated training systems. Program is comprised of modifications generated from mission performance deficiencies, logistics challenges, and evaluation of emerging technologies. USSOCOM funds the procurement of SOF-peculiar systems such as electronic warfare and survivability, communication, situational awareness, training, intelligence surveillance and reconnaissance, weapons integration, and low cost modifications into the SOF C-130 fleet. These capabilities will be pursued via rapid fielding techniques when appropriate.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs					P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 1160427BB, 1160404BB, 1160403BB			
Line Item MDAP/MAIS Code: 0000										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	C-130 Modification				- / 2,508.826	- / 72.942	- / 15.582	- / 20.414	- / -	- / 20.414
P-40	Total Gross/Weapon System Cost				- / 2,508.826	- / 72.942	- / 15.582	- / 20.414	- / -	- / 20.414
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: 1. C-130 Modifications: 1.0 C-130 Low Cost Modifications (LCM). Minor modifications to MC-130H/J, AC-130W/U/J and EC-130J aircraft SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and critical safety changes. Modifications include but are not limited to: radar upgrades, avionics and display upgrades, sensor installations and upgrades, intelligence collection and dissemination capabilities, communication systems, mechanical and electrical modifications, and weapons integration. Current projects include, but are not limited to, MC-130H/J lightweight armor, MC-130H Data Link 16 system integration, EC-130J Co-site De-confliction, MC/EC-130J VHF1 Antenna Move, MC-130J Cottonmouth Permanent MC-130J Loadmaster Signal Lights, MC-130J UHF DropSonde receiver Permanent and MC-130J Variable Speed Drogue Receiver improvements. FY 2021 PROGRAM JUSTIFICATION: Continues minor LCM to SOF C-130 equipment. 1.1 C-130 Avionics Modifications. This program replaces various SOF C-130 avionics systems across the SOF C-130 fleet. Projects include, but are not limited to; GPS Hardening improvements, EC-130J Defensive Systems Upgrade and Weight and Balance modifications. FY 2021 PROGRAM JUSTIFICATION: Funds the MC-130J Weight and Balance Modifications. 1.2 Simulator Block Updates (SBUD). The C-130 SBUD program sustains legacy C-130 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. The C-130 weapon systems possessing aircrew training devices include the AC-130J, AC-130U, AC-130W, EC-130J, MC-130H and MC-130J. FY 2021 PROGRAM JUSTIFICATION: The SBUD program continues to procure modifications to C-130 aircrew training devices to sustain or improve training capabilities. 1.3 EC-130J Upgrade Modifications. This program funds modifications to the EC-130J aircraft, included but not limited to hardware and integration of SOF-unique portions of the USAF C-130J 7.0/8.1 software block cycle upgrades, airframe and aircraft infrastructure modifications, and the Link 16 modification. FY 2021 PROGRAM JUSTIFICATION: Continues the EC-130J Link 16 modification. 1.4 Enhanced Situational Awareness (ESA). Integrates carry-on communication kit on MC-130J aircraft to enhance situational awareness. 2. EC-130J Commando Solo (CSOLO). CSOLO supports combat operations by flying Military Information Support Operations (MISO) missions for the purpose of broadcasting radio and/or television signals deep into denied territory. This program previously funded the Removable Airborne MISO System (RAMS) and then transitioned to the Multi-Mission Platform – Heavy (MMP-H) system.										

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1								P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS								Aggregated Items Title: C-130 Modification			

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - C-130 Modification																				
1.0 / Low Cost Modifications (LCM)			-	-	80.598	-	-	5.119	-	-	2.458	-	-	2.595	-	-	-	-	-	2.595
1.1 / Avionics Modifications			-	-	20.973	-	-	53.884	-	-	-	-	-	4.787	-	-	-	-	-	4.787
1.2 / Simulator Block Updates (SBUD)			-	-	57.429	-	-	11.801	-	-	11.955	-	-	12.253	-	-	-	-	-	12.253
1.3 / EC-130J Upgrades			-	-	5.849	-	-	-	-	-	1.169	-	-	0.779	-	-	-	-	-	0.779
1.4 / Enhanced Situational Awareness (ESA)			-	-	-	-	-	1.095	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - C-130 Modification			-	-	164.849	-	-	71.899	-	-	15.582	-	-	20.414	-	-	-	-	-	20.414
2 - EC-130J Commando SOLO																				
2.1 / Multi-Mission Platform – Heavy (MMP-H)			-	-	-	-	-	1.043	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - EC-130J Commando SOLO			-	-	-	-	-	1.043	-	-	-	-	-	-	-	-	-	-	-	-
3 - Prior Year																				
3.1 / Prior Year Funding			-	-	2,326.689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Initial Spares			-	-	8.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3 / Prior Year Funding - Congressional Add			-	-	5.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4 / Prior Year Funding - Overseas Contingency Operations (OCO)			-	-	3.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Prior Year			-	-	2,343.977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	2,508.826	-	-	72.942	-	-	15.582	-	-	20.414	-	-	-	-	-	20.414

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding	P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	204.024	128.816	58.991	20.556	-	20.556	18.974	7.219	15.562	15.873	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	204.024	128.816	58.991	20.556	-	20.556	18.974	7.219	15.562	15.873	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	204.024	128.816	58.991	20.556	-	20.556	18.974	7.219	15.562	15.873	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	10.268	4.351	3.187	2.581	-	2.581	-	-	-	-	-	20.387
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Underwater Systems line item procures dry and wet combat submersibles, Combatant Craft Light (CCL), modifications and field changes to the Dry Deck Shelter (DDS), and various systems and components for Special Operations Forces (SOF) Combat Diving. Current acquisition procurement programs of record are the Shallow Water Combat Submersible (SWCS), Dry Combat Submersible (DCS), SOF Combat Diving, Dry Deck Shelter (DDS), and Combatant Craft Light (CCL). SWCS is the next generation free-flooding combat submersible that transports SOF personnel and their combat equipment in hostile waters for a variety of missions. SOF units require specialized underwater systems that improve their warfighting capability and survivability in harsh operating environments. The DCS will provide the capability to insert and extract SOF and/or payloads into denied areas from strategic distances. The program is structured to minimize technical, cost, and schedule risks by leveraging commercial technologies, procedures, and classing methods to achieve an affordable DCS. CCL is a small combatant craft capable of supporting SOF operators for selected missions in multiple threat environments. SOF Combat Diving supports the unique requirements impacting fully equipped operators while conducting underwater, real-world missions; examples include underwater navigation, diving equipment, and underwater propulsion systems. These systems and equipment are used for infiltration/extraction, reconnaissance, beach obstacle clearance, and other missions. The capabilities of submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions. These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing DDS modifications and field changes to better align with the Department's priorities as outlined in the National Defense Strategy (NDS) (-\$8.000 million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command							Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding					P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS					
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A				Other Related Program Elements: 1160483BB			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - Underwater Systems / 1 - Dry Deck Shelter (DDS)				- / 33.522	- / 21.249	- / 18.117	- / 8.519	- / -	- / 8.519 ⁽¹⁾
P-40a	Category - Underwater Systems / 2 - Shallow Water Combat Submersible (SWCS)				- / 47.999	- / 47.113	- / 36.585	- / 6.626	- / -	- / 6.626
P-40a	Category - Underwater Systems / 3 - Dry Combat Submersible (DCS)				- / 51.924	- / 58.881	- / 3.009	- / 1.249	- / -	- / 1.249
P-40a	Category - Underwater Systems / 4 - SOF Combat Diving				- / 1.961	- / 1.573	- / 1.280	- / 1.237	- / -	- / 1.237
P-40a	Category - Underwater Systems / 5 - Combatant Craft Light (CCL)				- / -	- / -	- / -	- / 2.925	- / -	- / 2.925
P-40a	Category - Underwater Systems / Prior Years				- / 68.618	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 204.024	- / 128.816	- / 58.991	- / 20.556	- / -	- / 20.556
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: 1. DDS: The DDS is a certified diving system that attaches to modified host submarines and provides for insertion of SOF forces and platforms. United States Special Operations Command (USSOCOM) has a cost share agreement with the Navy to support the modernization of the DDS in order to accommodate current and future Naval Special Warfare payloads as well as large U.S. Navy payloads. FY 2021 PROGRAM JUSTIFICATION: Funding continues the support of the DDS modernization effort, which includes relocation of equipment inside the DDS Hangar to support current and future payloads. Funding also includes field changes for product improvements developed to overcome obsolescence and Diminishing Manufacturing Sources and Material Shortages (DMSMS). 2. SWCS: Shallow Water Combat Submersible (SWCS) is a free-flooding combat submersible mobility platform suitable for transporting and deploying SOF and their payloads for a variety of SOF missions. SWCS will be deployable from a DDS, surface ships, and land. FY 2021 PROGRAM JUSTIFICATION: Purchases Government Furnished Equipment (GFE), Engineering Change Proposals (ECP), detachment deployment packages, and initial spares. 3. DCS: The DCS provides SOF with a dry diver lock-in and lock-out capability that transports personnel and their combat equipment in hostile waters for a variety of missions. FY 2021 PROGRAM JUSTIFICATION: Purchases spares, GFE, ECP, system integration lab, and simulator. 4. SOF Combat Diving: This program integrates Combat Diving Equipment with all Undersea Systems and Platforms associated with SOF missions. SOF Combat Diving is designated an MTA program which uses the rapid fielding pathway and is executed using existing contracts, govt agencies, and new contracts competitively selected as appropriate. FY 2021 PROGRAM JUSTIFICATION: Procures deployment equipment, spares, ECPs, system integration, and product improvements to overcome obsolescence. 5. CCL: The CCL program is a small maritime combatant craft that supports deployment of six combat equipped SOF operators and their payloads for selected missions in multiple threat environments. Its compact form factor provides SOF with versatile mission transportability, deployment, and utility capabilities.										

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding		P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB
Line Item MDAP/MAIS Code: N/A		
FY 2021 PROGRAM JUSTIFICATION: Procures three CCL craft.		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 2						P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS						Aggregated Items Title: Underwater Systems								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Dry Deck Shelter (DDS)																				
1.1 / Modifications/ Field Changes ⁽²⁾			-	-	33.522	-	-	21.249	-	-	18.117	-	-	8.519	-	-	-	-	-	8.519
Subtotal: 1 - Dry Deck Shelter (DDS)			-	-	33.522	-	-	21.249	-	-	18.117	-	-	8.519	-	-	-	-	-	8.519 ⁽¹⁾
2 - Shallow Water Combat Submersible (SWCS)																				
2.1 / Article Systems			16.000	1	16.000	14.000	3	42.000	15.000	2	30.000	-	-	-	-	-	-	-	-	
2.2 / Gov't Furnished Equipment (GFE)/ Engineering Change Proposals (ECP) & Detachment Deployment Packages			-	-	24.156	-	-	3.439	-	-	4.024	-	-	4.045	-	-	-	-	4.045	
2.3 / Initial Spares			-	-	7.843	-	-	1.674	-	-	2.561	-	-	2.581	-	-	-	-	2.581	
Subtotal: 2 - Shallow Water Combat Submersible (SWCS)			-	-	47.999	-	-	47.113	-	-	36.585	-	-	6.626	-	-	-	-	6.626	
3 - Dry Combat Submersible (DCS)																				
3.1 / Article System & Minor Modifications			44.395	1	44.395	40.629	1	40.629	-	-	-	-	-	-	-	-	-	-	-	
3.2 / Initial Spares			-	-	2.425	-	-	2.677	-	-	0.626	-	-	-	-	-	-	-	-	
3.3 / GFE/ECP/ System Integration Lab/Simulator ⁽³⁾			-	-	5.104	-	-	15.575	-	-	2.383	-	-	1.249	-	-	-	-	1.249	
Subtotal: 3 - Dry Combat Submersible (DCS)			-	-	51.924	-	-	58.881	-	-	3.009	-	-	1.249	-	-	-	-	1.249	
4 - SOF Combat Diving																				
4.1 / SOF Combat Diving ⁽⁴⁾			0.070	28	1.961	0.121	13	1.573	0.027	48	1.280	0.032	39	1.237	-	-	-	0.032	39	1.237
Subtotal: 4 - SOF Combat Diving			-	-	1.961	-	-	1.573	-	-	1.280	-	-	1.237	-	-	-	-	-	1.237
5 - Combatant Craft Light (CCL)																				
5.1 / Craft Systems			-	-	-	-	-	-	-	-	-	0.975	3	2.925	-	-	-	0.975	3	2.925
Subtotal: 5 - Combatant Craft Light (CCL)			-	-	-	-	-	-	-	-	-	-	-	2.925	-	-	-	-	-	2.925
Prior Years																				
5 / Prior Years			-	-	68.618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Years			-	-	68.618	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	204.024	-	-	128.816	-	-	58.991	-	-	20.556	-	-	-	-	-	20.556
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
Footnotes:																				
⁽¹⁾ For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing DDS modifications and field changes to better align with the Department's priorities as outlined in the National Defense Strategy (NDS) (-\$8.000 million).																				

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 2	P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS	Aggregated Items Title: Underwater Systems

⁽²⁾ DDS modernization is currently a 68/32 cost share between SOCOM MFP-11 and Department of the Navy MFP2. The initial Modernized DDS is projected to be \$48.100 million. The Modernization of the remaining shelters is projected to cost \$25.000 million each. The current plan is to modernize three of the DDS over the FYDP. We will be modernizing the second shelter in FY22 thru FY23 and then the third shelter in FY24 thru FY25.

⁽³⁾ DCS ECPs include install of depressurization pump and mid-water lock-in lock-out and enhancements to system integration lab and desktop simulator.

⁽⁴⁾ SOF Combat Diving quantities are a combination of both Maritime Environmental Protection and Navigation.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs							P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160481BB, 1160431BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	884.988	417.346	412.244	186.197	105.355	291.552	188.013	185.499	251.376	232.940	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	884.988	417.346	412.244	186.197	105.355	291.552	188.013	185.499	251.376	232.940	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	884.988	417.346	412.244	186.197	105.355	291.552	188.013	185.499	251.376	232.940	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description:</p> <p>This line item funds ordnance items, munitions, small/medium/large caliber ammunition, demolitions, pyrotechnics, explosive initiation devices, underwater munitions, grenades, foreign weapons and ammunition, air delivered munitions, precision guided munitions, and rockets for Special Operations Forces (SOF). Ammunition provided will allow SOF components to accomplish the required rapid fielding, annual training, and support required combat missions, and build toward the required war reserve quantities. This P-1 Line Item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$100.850 million) and FY 2020 OCO for Enduring Operations (\$138.252 million). FY 2021 funding includes OCO for Direct War Costs (\$49.505 million) and OCO for Enduring Requirements (\$55.850 million). These capabilities will be pursued via rapid fielding techniques when appropriate.</p> <p>For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the Ammunition and Stand-Off precision Guided Munitions (SOPGM) programs to better align with the Department's priorities as outlined in the National Defense Strategy.</p> <p>-\$4.013 million - Small Caliber Bullets - Reduces procurement of rifle ammunition (1,190,000 rounds), machine gun ammunition (640,000 rounds) and foreign ammunition (395,400 rounds).</p> <p>-\$8.290 million - Demolition, Breaching and Pyrotechnics - Reduces grenade offensive/smoke munitions (12,540 grenades), training devices (6,900 devices), and explosives, firing devices, and accessories (23,938 devices).</p> <p>-\$11.268 million - Precision Strike Systems (PSS) - Reduces procurement of manpackable and vehicle mount PSS munitions (57 rounds) and manpack and vehicle mount launcher and control kits (2 kits).</p> <p>-\$45.000 million - SOPGM - Increase in unit cost and decrease on quantity of munitions which reduces War Reserve Materiel (WRM) stock. Eliminate procurement of mini munitions, decrease procurement of Griffin with datalink munitions by 251 units, decrease procurement of Small Guided Munitions (SGM) with datalink by 185 units, and decrease procurement of Laser Small Diameter Bombs (LSDBs) by 250 units.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs						P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160481BB, 1160431BB			
Line Item MDAP/MAIS Code: N/A											
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-40a	ORDNANCE ITEMS <\$5M				- / 884.988	- / 417.346	- / 412.244	- / 186.197	- / 105.355	- / 291.552	
P-40	Total Gross/Weapon System Cost				- / 884.988	- / 417.346	- / 412.244	- / 186.197	- / 105.355	- / 291.552	
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.											
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.											
Justification:											
1. Air Delivered Munitions. Program provides AC-130 gunship munitions to include several tactical and training configurations of the 105mm, 30mm, and fuzes, including the associated safety certification, Insensitive Munitions (IM) qualification, production engineering and transportation.											
FY 2021 PROGRAM JUSTIFICATION: Procures and qualifies air delivered ammunition to meet mission requirements required to maintain AC-130 Gunship crew mission-related readiness skills and provides combat mission support. Procures several tactical and training configurations of 105mm and 30mm ammunition and fuzes. Due to differences in complexity and/or materials of these configurations, the Unit Costs can vary considerably by item. In addition, for some 30mm capabilities, the cost to SOCOM is a modification/re-pack of a Service Common Munition, which is a much lower cost (~\$15-\$30) than a complete Munition (~\$130-\$175). Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements.											
2. Small Caliber Bullets. Provides barrel launched munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of U.S. and non-standard foreign munitions, weapons and related equipment, in calibers of 4.6mm, 5.45mm, 5.56mm, 6.5mm, .260, 7.62mm, .300, .338, 9mm, .357, .380, .40, .44, .45, .50, 12.7mm, 14.7mm, 12 gauge, 25mm, 40mm, 60mm, 64mm, 66mm, 81mm, 84mm, 105mm, 4.2", 107mm, 120mm, 155mm, rocket propelled grenades and other calibers as required.											
FY 2021 PROGRAM JUSTIFICATION: Funding procures the following munitions: Handgun, Rifle, Sniper Rifle, and Machine Gun (all types of 5.56mm, 7.62mm, 40mm, .300 WM, .50 Caliber, .260, 6.5MM, .300NM, and .338NM); replenishes munitions expended in real-world events and training. Procures various types of Non-Standard foreign ammunition. Actual quantities vary depending on training requirements.											
3. Demolition, Breaching and Pyrotechnics. Provides Demolition, Breaching and Pyrotechnics munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of munitions and related equipment of explosively formed penetrators, conical shape charges, linear shaped charges, diversionary devices, demolition hand grenades, breaching devices, explosives, firing devices, underwater munitions, flares, signaling devices, along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges and other munitions as required.											
FY 2021 PROGRAM JUSTIFICATION: Procures grenades (offensive/smoke), training devices, a variety of demolition materiel consisting of explosives, firing devices, and accessories. Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements.											
4. Shoulder Fired Munitions and Rockets. Provides unguided and laser-guided shoulder fired munitions, launchers and rockets, including the associated safety certification, IM qualification, production engineering and transportation. Provides tactical and training configurations of munitions and related equipment providing armored vehicle destruction, bunker and hardened facility destruction, soft target destruction, fire from enclosure, anti-personnel, smoke obscuration, visible and infrared illumination, as well as sub-caliber training devices with back blast simulation. These systems give SOF extended range fires to operate where no artillery, mortar, or armor support is available.											
FY 2021 PROGRAM JUSTIFICATION: Replenishes shoulder-fired munitions expended in real-world events and training. Actual quantities vary depending on training requirements.											

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs		P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160481BB, 1160431BB
Line Item MDAP/MAIS Code: N/A		
<p>5. Precision Strike Systems (PSS). Provides a family of precision strike munitions with the ability to rapidly Launch, Fly, Track and Engage stationary and moving targets in a variety of environments. The PSS provide SOF units an organic capability in contested and multi-domain battlefield where close-air support may not be available. Man-packable and vehicle mounted systems with Electro Opti/Infrared (EO/IR) sensor downlink keeps operators in-the-loop. Datalink, GPS, and inertial aided guidance extends range beyond laser-guided shoulder launched munitions.</p> <p>FY2021 PROGRAM JUSTIFICATION: Procures approximately 22 man-packable guided munitions, three man-pack PSS (control kit), 11 vehicle mount PSS medium range platform launched munitions, and two vehicle mount PSS (launcher and control kit). Actual quantities may vary based on the data transmit units, ground control stations, and associated support equipment to be supplied.</p> <p>6. Stand-Off Precision Guided Munitions (SOPGM). Provides Precision Guided Munitions including the associated safety certification, IM qualification, production engineering, transportation, and provides for the integration of service-common and SOF-unique SOPGM munitions onto SOF platforms to support lethal strike and armed over-watch capability on the battlefield. Includes procurement of SOF-peculiar munitions for designated SOF platforms and modification of Service-provided munitions to meet specific SOF mission sets including first-pass lethality, low collateral damage requirements, time-sensitive High Value Targets, and dynamic moving targets. This program received Overseas Contingency Operations (OCO) funding in FY 2019 and FY 2020. This program is a DoD high interest item.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures approximately 876 SOPGMs and integration & shipping. Budget enables production of 482 SOF-peculiar and 394 Service-provided modified munitions. Production numbers enhance operational planning flexibility and establishing war reserve materiel inventories.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures approximately 1022 SOPGMs. Budget enables maximum production of SOF-peculiar munitions. Production numbers enhance operational planning flexibility and replenishes annual combat expenditures.</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3						P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M						Aggregated Items Title: ORDNANCE ITEMS <\$5M								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1. Air Delivered Munitions																				
1a / 105MM			-	-	53.624	760.00	31,318	23.802	777.50	32,000	24.880	794.00	32,500	25.805	-	-	-	794.00	32,500	25.805
1b / 30MM			-	-	53.394	149.96	175,896	26.377	153.85	39,000	6.000	156.78	39,452	6.185	-	-	-	156.78	39,452	6.185
1c / Prior Years Funding			-	-	64.568	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1d / Prior Years Funding - Overseas Contingency Operations (OCO)			-	-	10.769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Air Delivered Munitions			-	-	182.355	-	-	50.179	-	-	30.880	-	-	31.990	-	-	-	-	-	31.990
2. Small Caliber Bullets																				
2a / 40MM			-	-	5.089	42.19	8,177	0.345	44.27	8,177	0.362	46.35	8,577	0.398	-	-	-	46.35	8,577	0.398
2b / Handgun Ammunition			-	-	0.129	0.50	400,000	0.200	0.53	400,000	0.212	0.56	400,000	0.224	-	-	-	0.56	400,000	0.224
2c / Rifle Ammunition			-	-	53.251	1.49	9,606,000	14.313	1.56	6,920,000	10.806	1.63	7,690,680	12.536	-	-	-	1.63	7,690,680	12.536
2d / Machine-Gun Ammunition			-	-	68.002	2.27	8,325,724	18.900	2.38	7,346,724	17.477	2.48	6,656,974	16.509	-	-	-	2.48	6,656,974	16.509
2e / Foreign Ammunition			-	-	15.542	1.13	3,861,873	4.364	1.18	3,489,473	4.135	1.23	3,094,373	3.806	-	-	-	1.23	3,094,373	3.806
2f / Prior Years Funding - OCO			-	-	0.675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Small Caliber Bullets			-	-	142.688	-	-	38.122	-	-	32.992	-	-	33.473	-	-	-	-	-	33.473 ⁽¹⁾
3. Demolition, Breaching, and Pyrotechnics																				
3a / Grenade Offensive/ Smoke (All Types)			-	-	22.163	109.00	27,400	2.987	111.20	30,424	3.383	113.37	19,884	2.254	-	-	-	113.37	19,884	2.254
3b / Training Devices			-	-	3.977	202.00	8,700	1.757	206.03	10,344	2.131	210.20	7,844	1.649	-	-	-	210.20	7,844	1.649
3c / Explosives, Firing Devices, and Accessories			-	-	38.595	214.10	55,741	11.934	220.52	64,862	14.303	226.33	55,312	12.519	-	-	-	226.33	55,312	12.519
3d / Flares - Two Burst - OCO			-	-	23.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3e / Flares			-	-	-	666.59	19,400	12.932	676.05	18,500	12.507	685.88	20,940	14.362	-	-	-	685.88	20,940	14.362
Subtotal: 3. Demolition, Breaching, and Pyrotechnics			-	-	87.735	-	-	29.610	-	-	32.324	-	-	30.784	-	-	-	-	-	30.784 ⁽²⁾
4. Shoulder-Fired Munitions and Rockets																				
4a / Shoulder-Fired Munitions			-	-	46.501	1,737.05	8,685	15.086	1,749.82	6,679	11.687	1,763.21	3,239	5.711	-	-	-	1,763.21	3,239	5.711
4b / Rockets			-	-	14.879	1,759.00	1,957	3.442	-	-	-	-	-	-	-	-	-	-	-	-
4c / Guided Missiles			-	-	-	215,116.27	86	18.500	-	-	-	-	-	-	-	-	-	-	-	-
4d / Prior Years Funding			-	-	6.049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3							P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M									Aggregated Items Title: ORDNANCE ITEMS <\$5M				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: 4. Shoulder-Fired Munitions and Rockets			-	-	67.429	-	-	37.028	-	-	11.687	-	-	5.711	-	-	-	-	-	5.711
5. Precision Strike Systems (PSS)																				
5a / Manpackable PSS (rounds) ⁽³⁾			-	-	-	-	-	-	146,837.00	28	4.111	148,121.00	22	3.259	-	-	-	148,121.00	22	3.259
5b / Manpack PSS (control kit)			-	-	-	-	-	-	109,748.00	7	0.768	111,631.00	3	0.335	-	-	-	111,631.00	3	0.335
5c / Vehicle mount PSS (rounds)			-	-	-	214,000.00	5	1.070	212,324.00	23	4.883	214,000.00	11	2.354	-	-	-	214,000.00	11	2.354
5d / Vehicle mount PSS (launcher & control kit)			-	-	-	1,760K	1	1.760	769,469.00	4	3.078	776,222.50	2	1.552	-	-	-	776,222.50	2	1.552
5e / Prior Year Funding - Overseas Contingency Operations (OCO)			-	-	2.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5. Precision Strike Systems (PSS)			-	-	2.800	-	-	2.830	-	-	12.841	-	-	7.500	-	-	-	-	-	7.500 ⁽⁴⁾
6. Stand-Off Precision Guided Munitions (SOPGM)																				
6a / SOPGM			-	-	214.358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6b / SOPGM - Overseas Contingency Operations (OCO)			-	-	187.623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6c / Griffin Missiles - OCO			-	-	-	80,700.00	325	26.228	83,519.00	1,021	85.273	-	-	-	-	-	-	-	-	-
6d / Griffin Missiles - OCO with Datalink			-	-	-	-	-	-	-	-	-	-	-	-	103,680.00	226	23.431	103,680.00	226	23.431
6e / Small Glide Munition - OCO			-	-	-	81,300.00	750	60.975	86,906.00	361	31.373	-	-	-	-	-	-	-	-	-
6f / Small Glide Munition - OCO with Datalink			-	-	-	-	-	-	-	-	-	-	-	-	102,700.00	252	25.880	102,700.00	252	25.880
6g / Laser Small Diameter Bombs Modification - OCO			-	-	-	41,700.00	200	8.340	43,068.00	500	21.534	-	-	-	-	-	-	-	-	-
6h / SOF Hellfire Modification - OCO			-	-	-	53,000.00	50	2.650	-	-	-	-	-	-	-	-	-	-	-	-
6i / SOF Miniature Munitions - OCO			-	-	-	41,000.00	115	4.715	-	-	-	-	-	-	-	-	-	-	-	-
6j / Integration & Shipping - OCO			-	-	-	-	-	13.172	-	-	0.072	-	-	-	-	-	-	-	-	-
6k / Griffin - Base			-	-	-	80,700.00	949	76.584	103,664.00	265	27.471	89,678.00	200	17.936	-	-	-	89,678.00	200	17.936
6l / Griffin - Base with Datalink			-	-	-	-	-	-	-	-	-	103,680.00	263	27.268	-	-	-	103,680.00	263	27.268

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3								P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M								Aggregated Items Title: ORDNANCE ITEMS <\$5M			

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
6m / Small Glide Munition (SGM) - Base			-	-	-	81,300.00	250	20.325	83,153.00	639	53.135	-	-	-	-	-	-	-	-	-
6n / SGM - OCO			-	-	-	-	-	-	-	-	-	-	-	-	89,000.00	165	14.685	89,000.00	165	14.685
6o / SGM - Base with Datalink			-	-	-	-	-	-	102,744.00	270	27.741	-	-	-	102,700.00	340	34.918	102,700.00	340	34.918
6p / SGM in Common Ejection Tube (CET) without Datalink (OCO)			-	-	-	-	-	-	-	-	-	-	-	-	118,700.00	39	4.629	118,700.00	39	4.629
6q / SGM in CET with Datalink			-	-	-	-	-	-	-	-	-	132,700.00	19	2.521	-	-	-	132,700.00	19	2.521
6r / Laser Small Diameter Bomb (SDB) Guided Test Vehicle (GTV) Modification - Base			-	-	-	41,700.00	300	12.510	320,000.00	8	2.560	44,880.00	250	11.220	-	-	-	44,880.00	250	11.220
6s / SOF Hellfire Modification - Base			-	-	-	53,000.00	100	5.300	53,000.00	144	7.632	54,063.00	144	7.785	-	-	-	54,063.00	144	7.785
6t / SOF Miniature Munitions - Base			-	-	-	41,000.00	300	12.300	45,000.00	187	8.415	-	-	-	-	-	-	-	-	-
6u / Integration & Shipping - Base			-	-	-	-	-	16.478	-	-	26.314	-	-	10.009	-	-	-	-	-	10.009
6v / Integration & Shipping - OCO			-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.811	-	-	1.811
Subtotal: 6. Stand-Off Precision Guided Munitions (SOPGM)			-	-	401.981	-	-	259.577	-	-	291.520	-	-	76.739	-	-	105.355	-	-	182.094 ⁽⁵⁾
Total			-	-	884.988	-	-	417.346	-	-	412.244	-	-	186.197	-	-	105.355	-	-	291.552

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

- (1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing procurement of rifle ammunition (1,190,000 rounds), machine gun ammunition (640,000 rounds) and foreign ammunition (395,400 rounds) (-\$4.013 million)..
- (2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing grenade offensive/smoke munitions (12,540 grenades), training devices (6,900 devices), and explosives, firing devices, and accessories (23,938 devices) (-\$8.290 million).
- (3) Precision Strike Systems (PSS) munitions were previously reported in this P40-a under Shoulder-Fired Munitions and Rockets.
- (4) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement of manpackable and vehicle mount PSS munitions (57 rounds) and manpack and vehicle mount launcher and control kits (2 kits) (-\$11.268 million).
- (5) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities resulting in an increase in unit cost and decrease on quantity of munitions which reduces War Reserve Materiel (WRM) stock. Eliminate procurement of mini munitions, decrease procurement of Griffin with datalink munitions by 251 units, decrease procurement of Small Guided Munitions (SGM) with datalink by 185 units, and decrease procurement of Laser Small Diameter Bombs (LSDBs) by 250 units (-\$45.000 million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,760.493	105.922	117.141	94.982	16.234	111.216	133.077	138.603	141.311	145.572	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,760.493	105.922	117.141	94.982	16.234	111.216	133.077	138.603	141.311	145.572	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,760.493	105.922	117.141	94.982	16.234	111.216	133.077	138.603	141.311	145.572	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	21.075	-	0.976	-	-	-	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item is part of the Military Intelligence Program. This line item provides for the identification, testing, and rapid fielding of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. The systems procured in this line item are Joint Threat Warning System (JTWS); Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA); Tactical Local Area Network (TACLAN); Hostile Forces-Tagging, Tracking, and Locating (HF-TTL); Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES); Sensitive Site Exploitation (SSE), and Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP). This P-1 line item received FY 2019 Overseas Contingency Operations (OCO) funding (\$20.790 million) and FY 2020 OCO funding (\$16.500 million). FY 2021 funding includes OCO for Enduring Requirements (\$16.234 million).

U.S. Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I programs are comprised of an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this architecture employ the latest standards and technology by transitioning from separate systems to full integration with the SOF Information Environment (SIE). The SIE allows SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this line item will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team) and Above Operational Element (Garrison). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing the HF-TTL, JTWS, SOTVS, and TACLAN programs to better align with the Department's priorities as outlined in the National Defense Strategy (-\$7.810 million).

-\$0.336 million - JTWS - reduces one Maritime variant and TTV spares.

-\$1.297 million - SOTVS - reduces one RSTA Sensor kit and seven RSTA Tactical Reconnaissance kits.

-\$0.176 million - TACLAN - reduces two Prime Mission Equipment (PME) Suites - Block II Capital Equipment Replacement Program (CERP) and ancillary equipment.

-\$6.001 million - HF-TTL - reduces five Mission sets.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - Intelligence Systems / 1 - Joint Threat Warning Systems (JTWS)				- / 368.489	- / 39.348	- / 53.432	- / 62.324	- / -	- / 62.324 ⁽¹⁾
P-40a	Category - Intelligence Systems / 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)				- / 120.308	- / 22.234	- / 21.463	- / 3.241	- / 16.234	- / 19.475 ⁽²⁾
P-40a	Category - Intelligence Systems / 3 - Tactical Area Local Network (TACLAN)				- / 35.633	- / 2.470	- / 2.208	- / 2.076	- / -	- / 2.076 ⁽³⁾
P-40a	Category - Intelligence Systems / 4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL)				- / 376.917	- / 18.686	- / 19.243	- / 14.057	- / -	- / 14.057 ⁽⁴⁾
P-40a	Category - Intelligence Systems / 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)				- / 82.451	- / 8.189	- / 12.505	- / 9.787	- / -	- / 9.787
P-40a	Category - Intelligence Systems / 6 - Sensitive Site Exploitation (SSE)				- / 51.713	- / 11.162	- / 7.453	- / 2.674	- / -	- / 2.674
P-40a	Category - Intelligence Systems / 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPREP)				- / 1.304	- / 3.833	- / 0.837	- / 0.823	- / -	- / 0.823
P-40a	Category - Intelligence Systems / 8 - Prior Year				- / 723.678	- / -	- / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost				- / 1,760.493	- / 105.922	- / 117.141	- / 94.982	- / 16.234	- / 111.216

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
OPERATIONAL ELEMENT (TEAM)

1. JTWS. This program is an evolutionary acquisition program effort for Signals Intelligence. The JTWS System of Systems (SoS) enables the Joint Components, through their SOF Cryptologic Operators, to collect, process, locate and exploit threat communications signals of interest in order to provide timely, relevant, and responsive intelligence, cross-cueing, enhanced target acquisition, and threat avoidance information directly to the SOF Commanders. Intelligence gathered is then transposed to National Databases. The JTWS SoS is comprised of four variants: Ground SIGINT Kit (GSK); Maritime; Air; and Unmanned Aerial Systems (UAS). Each variant has additional requirements for Communications Intelligence, Electronic Intelligence, and Precision Geo-location. The contracting strategy uses a mixture of full and open competition for prime integrators and indefinite delivery/indefinite quantity contracts for Commercial off-the-Shelf (COTS) procurement with new development only as necessary.

FY 2021 PROGRAM JUSTIFICATION: Funds the CERP of 26 GSK kit variants, CERP of 11 AVS variants, three PGL ground kits, CERP of 10 PGL ground kits, one PGL Air kit, CERP of one Team Transportable Variant (TTV) Evolutionary Technical Insertion (ETI), two Unmanned Aerial Collection Systems, seven Maritime variants, one PGL Maritime kit, and initial training and spares.

2. TVS/RSTA. This program provides SOF with critical Special Reconnaissance (SR) equipment that directly supports the planning and execution of SOF missions. This capability allows the SOF warfighter to meet SOF SR mission requirements to find, fix, finish, exploit, analyze, and disseminate information of adversary's movement, construct, identification, location; and associated things and activities. TVS/ RSTA provides Global Combatant Commanders (GCCs) and SOF operators with an immediate capability to visually and electronically acquire people, things, and activities and provides actionable intelligence for SOF planners and Commanders. The TVS/RSTA program consists of a Family of Systems (FoS) that employs an evolutionary acquisition strategy for Evolutionary Technology Insertions (ETI) (supplemented with commodity procurement) to enhance the performance of specific kits. These ETI modifications vary in both cost and quantity. The FoS consists of interoperable equipment to capture and transfer near-real-time ground-based, tactical day/night/reduced visibility, imagery, video, and electronic proximity and movement sensing, all capable of dissemination through SOF organic, global C4I, and commercial communications infrastructures. Kits are type designated as RSTA or TVS Mission Kits. RSTA kits are operationally configured as Sensor Kits; Tactical Reconnaissance (RECCE) Kit; Remote Observation

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
Line Item MDAP/MAIS Code: N/A		
Post (ROP); Unattended Ground Sensors/Unattended Maritime Sensors (UGS/UMS); Maritime Combat TVS/RSTA Kit; and Austere Location Force Protection Kits (ALFPK). This program received Overseas Contingency Operating (OCO) funding in FY 2019 and FY 2020.		
FY 2021 PROGRAM JUSTIFICATION: Procures four Sensor Kits, two UGS, 28 RECCE Kits, one ROP Kit, one TVS Kit, 22 Austere Location Force Protection Kits (ALFPK), and two Maritime TVS/RSTA Kits.		
FY 2021 OCO PROGRAM JUSTIFICATION: Procures 21 Austere Location Force Protection Kits (ALFPK).		
3. TACLAN. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and Command and Control (C2) of forces in tactical environments. The program consists of information technology hardware, software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, and common and specialized user applications. The family of systems is mobile, modular, and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operations Task Force (SOTF) echelon. TACLAN modular network suites include Top Secret/Sensitive Compartmentalized Information (TS/SCI) enclaves.		
FY 2021 PROGRAM JUSTIFICATION: Procures CERP of 13 TACLAN TS/SCI enclaves for the modular network suites and ancillary equipment.		
4. HF-TTL. This program provides SOF with critical tools to enhance situational awareness for the planning and execution of SOF missions. This capability allows SOF to find, fix, and finish target assets through the emplacement of sophisticated tags and devices that feed into an integrated architecture. Through rapid acquisition HF-TTL provides GCCs and SOF operators with an immediate capability to tag, track, and locate people, things and activities. The HF-TTL program provides actionable intelligence for SOF planners. The Mission Sets are comprised of a mix of different classes of tags and their associated detection, interrogation, viewing, tracking, and communications systems that are fielded annually to each SOF Component Command and Theater Special Operations Command (TSOC) based upon dynamic and emergent SOF operational requirements.		
FY 2021 PROGRAM JUSTIFICATION: Procures 11 mission sets.		
ABOVE OPERATIONAL ELEMENT (GARRISON)		
5. SOCRATES. This program is the SOF extension of the Joint Worldwide Intelligence Communications System network and is used to develop, acquire and support garrison automated intelligence system requirements for SOF organizations worldwide. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide-range of automated intelligence analysis, direction, intelligence dissemination, imagery tools and applications, to include secondary imagery dissemination, and news and message traffic. The system ensures intelligence support to mission planning and the intelligence preparation of the battle space by connecting numerous data repositories while maintaining information assurance. The system supports Headquarters USSOCOM, its component commands, TSOCs and forward based SOF units. SOCRATES is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, video teleconference, secure voice, workstations, associated peripherals and government-off-the-shelf /commercial-off-the-shelf software.		
FY 2021 PROGRAM JUSTIFICATION: Procures equipment to support expansion of Components and Theater Special Operations Commands (TSOCs) and provides Video Teleconference and secure voice capability to SOCRATES.		
6. SSE. This program uses rapid acquisition to procure Biometric and Forensic technologies that provide state-of-the art capabilities to the Warfighter thus allowing for exploitation of documents, electronic data, material and forensic evidence on sensitive sites/objectives. Biometrics kits allow collection and transmission of unique, measurable biometric signatures from personnel, including live/latent fingerprints, iris patterns, and facial features. It also provides a means to verify against and enroll subjects into the DoD authoritative database, and to query that database to support hold or release decisions. Forensic kits enable on-objective linking of events to specific persons through chemical analysis, latent fingerprints, cell phones and computer data analysis, and Deoxyribonucleic Acid (DNA) collection. Exploitation Analysis Centers (EACs) provide theater-level forensic laboratory capabilities for more in-depth exploitation of captured materiel.		
FY 2021 PROGRAM JUSTIFICATION: Procures two Forensic Exploitation Analysis Center equipment and CERP of 55 forensic exploitation kits.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: 1160405BB	Other Related Program Elements: 1160405BB
Line Item MDAP/MAIS Code: N/A		
<p>7. SOFPREP. This program serves as the intelligence focal point for production of SOF enhanced Geospatial Intelligence (GEOINT) (maps, imagery, and terrain data) and 3D scene visualization databases. SOFPREP gathers, processes, exploits, disseminates and manages classified high resolution 3D databases and GEOINT data in support of SOF training, mission rehearsal and execution systems. The program builds the SOF common geospatial environment and manages the authoritative database of SOF-specific GEOINT terrain data. SOFPREP is a NGA-certified co-producer in support of time-sensitive SOF-specific requirements. Acquires emerging COTS to accelerate computational processing applied to exploitation of GEOINT data, speeding production of 3D databases used by Components for realistic and unique joint SOF training and mission rehearsal for current operations.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures evolutionary technology insertions for GEOINT Processing, Exploitation and Dissemination.</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS									Aggregated Items Title: Intelligence Systems					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
1 - Joint Threat Warning Systems (JTWS)																					
1.1 / Ground SIGNIT KIT (GSK) Variant - Capital Equipment Replacement Program (CERP)			-	-	104.988	0.449	25	11.233	0.593	23	13.636	0.599	26	15.574	-	-	-	0.599	26	15.574	
1.2 / Air Variant System (AVS)			-	-	0.780	-	-	-	0.489	2	0.977	-	-	-	-	-	-	-	-	-	
1.3 / AVS - CERP			-	-	40.652	0.192	17	3.270	0.492	9	4.426	0.496	11	5.456	-	-	-	0.496	11	5.456	
1.4 / Precision Geo Location (PGL) Ground Kits			-	-	50.049	2.202	1	2.202	-	-	-	1.804	3	5.412	-	-	-	1.804	3	5.412	
1.5 / PGL Ground - CERP			-	-	75.359	1.889	7	13.224	1.741	10	17.414	1.804	10	18.040	-	-	-	1.804	10	18.040	
1.6 / PGL Air			-	-	6.017	1.300	1	1.300	1.320	1	1.320	1.347	1	1.347	-	-	-	1.347	1	1.347	
1.7 / Team Transportable Variant (TTV) - CERP Evolutionary Technical Insertions (ETI)			-	-	2.504	0.415	1	0.415	1.329	1	1.329	1.681	1	1.681	-	-	-	1.681	1	1.681	
1.8 / Unmanned Aerial Collection Systems			-	-	1.756	0.126	2	0.252	0.128	2	0.256	0.134	2	0.268	-	-	-	0.134	2	0.268	
1.9 / Maritime Variant			-	-	16.060	1.552	4	6.208	1.606	8	12.844	1.624	7	11.368	-	-	-	1.624	7	11.368	
1.10 / Maritime PGL			-	-	-	-	-	-	-	-	-	1.624	1	1.624	-	-	-	1.624	1	1.624	
1.11 / GSK - Initial Training			-	-	1.128	-	-	0.119	-	-	0.120	-	-	0.142	-	-	-	-	-	0.142	
1.12 / AVS - Initial Training			-	-	0.420	-	-	0.051	-	-	0.052	-	-	0.073	-	-	-	-	-	0.073	
1.13 / AVS Spares			-	-	4.565	-	-	0.545	-	-	0.553	-	-	0.604	-	-	-	-	-	0.604	
1.14 / TTV - Initial Training			-	-	0.488	-	-	0.041	-	-	0.042	-	-	0.063	-	-	-	-	-	0.063	
1.15 / TTV Spares			-	-	11.192	-	-	0.090	-	-	0.059	-	-	0.100	-	-	-	-	-	0.100	
1.16 / PGL Ground Initial Training			-	-	1.437	-	-	0.039	-	-	0.040	-	-	0.041	-	-	-	-	-	0.041	
1.18 / PGL Spares			-	-	5.318	-	-	0.359	-	-	0.364	-	-	0.531	-	-	-	-	-	0.531	
1.18 / Prior Year Funding			-	-	24.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.19 / Prior Year Funding Overseas Contingency Operations (OCO)			-	-	20.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1 - Joint Threat Warning Systems (JTWS)			-	-	368.489	-	-	39.348	-	-	53.432	-	-	62.324	-	-	-	-	-	62.324 ⁽¹⁾	
2 - Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)																					

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS									Aggregated Items Title: Intelligence Systems					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2.1 / RSTA Sensor Kit			-	-	5.865	0.050	20	0.999	0.064	25	1.600	0.064	4	0.255	-	-	-	0.064	4	0.255
2.2 / Unattended Ground Sensors (UGS)			-	-	-	-	-	-	-	-	-	0.172	2	0.344	-	-	-	0.172	2	0.344
2.3 / RSTA Tactical Reconnaissance (RECCE) Kits			-	-	5.947	0.070	45	3.150	0.085	18	1.530	0.070	28	1.960	-	-	-	0.070	28	1.960
2.4 / RSTA Remote Observation Post (ROP) Kit			-	-	7.945	0.129	5	0.645	0.147	1	0.147	0.147	1	0.147	-	-	-	0.147	1	0.147
2.5 / TVS Kit			-	-	13.916	0.030	23	0.690	0.032	45	1.436	0.033	1	0.033	-	-	-	0.033	1	0.033
2.6 / Austere Location Force Protection Kits Overseas Contingency Operations (OCO)			-	-	86.120	0.750	22	16.500	0.750	22	16.500	-	-	-	0.773	21	16.234	0.773	21	16.234
2.7 / Austere Location Force Protection Kits			-	-	-	-	-	-	-	-	-	-	-	0.253	-	-	-	-	-	0.253
2.8 / Maritime Combat TVS/RSTA Kit			-	-	-	0.125	2	0.250	0.125	2	0.250	0.125	2	0.249	-	-	-	0.125	2	0.249
2.9 / Prior Year Funding			-	-	0.515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA)			-	-	120.308	-	-	22.234	-	-	21.463	-	-	3.241	-	-	16.234	-	-	19.475 ⁽²⁾
3 - Tactical Area Local Network (TACLAN)																				
3.1 / Prime Mlssion Equipment (PME) Suites - Block II CERP			-	-	23.567	0.110	16	1.762	0.104	15	1.568	0.105	13	1.365	-	-	-	0.105	13	1.365
3.2 / Ancillary Equipment			-	-	3.139	-	-	0.708	-	-	0.640	-	-	0.711	-	-	-	-	-	0.711
3.3 / Prior Year Funding			-	-	8.927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3 - Tactical Area Local Network (TACLAN)			-	-	35.633	-	-	2.470	-	-	2.208	-	-	2.076	-	-	-	-	-	2.076 ⁽³⁾
4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL)																				
4.1 / Mission Sets			-	-	263.298	1.168	16	18.686	1.203	16	19.243	1.278	11	14.057	-	-	-	1.278	11	14.057
4.2 / Prior Year Funding OCO			-	-	113.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL)			-	-	376.917	-	-	18.686	-	-	19.243	-	-	14.057	-	-	-	-	-	14.057 ⁽⁴⁾
5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)																				
5.1 / Component and TSOC Expansion			-	-	-	-	-	7.188	-	-	12.505	-	-	6.556	-	-	-	-	-	6.556

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4									P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS							Aggregated Items Title: Intelligence Systems					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
5.2 / SOCRATES Mission Support Center Relocation			-	-	-	-	-	0.583	-	-	-	-	-	-	-	-	-	-	-	-	
5.3 / SOCRATES Video Teleconference and Secure Voice			-	-	-	-	-	-	-	-	-	-	-	3.231	-	-	-	-	-	3.231	
5.4 / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	0.418	-	-	-	-	-	-	-	-	-	-	-	-	
5.5 / Prior Funding			-	-	82.451	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES)			-	-	82.451	-	-	8.189	-	-	12.505	-	-	9.787	-	-	-	-	-	9.787	
6 - Sensitive Site Exploitation (SSE)																					
6.1 / Forensic Exploitation Analysis Center Equipment			-	-	1.224	0.328	2	0.656	0.338	2	0.676	0.358	2	0.716	-	-	-	0.358	2	0.716	
6.2 / Forensic Exploitation Kits CERP			-	-	9.738	0.024	259	6.216	0.027	251	6.777	0.036	55	1.958	-	-	-	0.036	55	1.958	
6.3 / Forensic Domex			-	-	-	-	-	4.290	-	-	-	-	-	-	-	-	-	-	-	-	
6.4 / Prior Year Funding			-	-	40.061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6.5 / Prior Year Funding OCO			-	-	0.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 6 - Sensitive Site Exploitation (SSE)			-	-	51.713	-	-	11.162	-	-	7.453	-	-	2.674	-	-	-	-	-	2.674	
7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)																					
7.1 / Evolutionary Technology Insertions			-	-	1.304	-	-	3.833	-	-	0.837	-	-	0.823	-	-	-	-	-	0.823	
Subtotal: 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP)			-	-	1.304	-	-	3.833	-	-	0.837	-	-	0.823	-	-	-	-	-	0.823	
8 - Prior Year																					
8.1 / Prior Year Funding			-	-	543.365	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.2 / Prior Year Funding - OCO			-	-	180.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 8 - Prior Year			-	-	723.678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	1,760.493	-	-	105.922	-	-	117.141	-	-	94.982	-	-	16.234	-	-	111.216	
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																					
Footnotes:																					

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4	P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS	Aggregated Items Title: Intelligence Systems
<p>⁽¹⁾ For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing one Maritime variant and TTV spares (-\$0.336 million).</p> <p>⁽²⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing one RSTA Sensor kit and seven RSTA Tactical Reconnaissance kits (-\$1.297 million).</p> <p>⁽³⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing two Prime Mission Equipment (PME) Suites - Block II Capital Equipment Replacement Program (CERP) and ancillary equipment (-\$0.176 million).</p> <p>⁽⁴⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing five Mission sets (-\$6.001 million).</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0305208BB
--	---	--

Line Item MDAP/MAIS Code: 0000

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	120.711	18.597	12.522	11.645	-	11.645	13.316	13.591	14.009	14.222	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	120.711	18.597	12.522	11.645	-	11.645	13.316	13.591	14.009	14.222	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	120.711	18.597	12.522	11.645	-	11.645	13.316	13.591	14.009	14.222	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program element is part of the Military Intelligence Program (MIP). The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) is part of a family of systems providing rapid fielding of Intelligence, Surveillance, and Reconnaissance (ISR) Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Combatant Command (COCOM), Component/Theater Special Operations Command (TSOC) level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighter, analysts, and sensors to find and fix High Value Targets and provides a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with SOF and between the Services, other national intelligence agencies, combatant commands and multi-national partners. It connects the SOF warfighter and analysts with the essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The three components of DCGS-SOF include the following: The Enterprise/All Source Information Fusion (ENT/ASIF) provides infrastructure, processing and intelligence analytical tools to allow for worldwide SOF intelligence information sharing via a globally connected cloud based architecture as well as a forward disconnected capability. SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP) provides capabilities in garrison and deployed environments for the PED of manned and unmanned sensors. SOF Signals Intelligence (SIGINT) PED provides SIGINT exploitation capability in both garrison and deployed environments. These capabilities will be pursued via rapid fielding techniques when appropriate.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 0305208BB
--	---	--

Line Item MDAP/MAIS Code: 0000

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Distributed Common Ground/Surface System				- / 120.711	- / 18.597	- / 12.522	- / 11.645	- / -	- / 11.645
P-40	Total Gross/Weapon System Cost				- / 120.711	- / 18.597	- / 12.522	- / 11.645	- / -	- / 11.645

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

FY 2021 PROGRAM JUSTIFICATION: Capital Equipment Replacement Program (CERP) for 22 SOF SIGINT PED Communication kits, SOF advance analytics, CERP of 19 Deployable/Tactical SGIP, and the CERP of Garrison SGIP infrastructure components. USSOCOM ENT/ASIF advanced analytics partnered with the National Reconnaissance Office in FY18 to utilize the fielded Government Off The Shelf (GOTS)/Commercial Off The Shelf (COTS) Fusion Analysis and Development Effort (FADE) platform. This utilization of the fielded GOTS capability reduces the requirements for ENT/ASIF upgrades and CERP in FY20 and beyond.

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4								P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM								Aggregated Items Title: Distributed Common Ground/Surface System			

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Distributed Common Ground/Surface System																				
1 / SOF Signals Intelligence (SIGINT) PED Communication Kit Capital Equipment Replacement Program (CERP) ⁽¹⁾			-	-	10.441	0.239	30	7.162	0.330	20	6.596	0.258	22	5.684	-	-	-	0.258	22	5.684
2 / Distributed Common Ground/ Surface System (DCGS) - SOF Enterprise Infrastructure Upgrades			-	-	15.132	-	-	2.039	-	-	-	-	-	-	-	-	-	-	-	-
3 / DCGS - SOF Enterprise Infrastructure CERP			-	-	7.470	-	-	2.640	-	-	1.000	-	-	-	-	-	-	-	-	-
4 / DCGS - SOF Advanced Analytics			-	-	9.970	-	-	1.287	-	-	0.812	-	-	0.523	-	-	-	-	-	0.523
5 / New Equipment Training			-	-	3.024	-	-	1.987	-	-	-	-	-	-	-	-	-	-	-	-
6 / Deployable/ Tactical SOF Geospatial Intelligence Processing (SGIP) CERP ⁽²⁾			-	-	8.088	0.082	4	0.326	0.159	4	0.634	0.034	19	0.646	-	-	-	0.034	19	0.646
7 / Garrison SGIP Infrastructure CERP			-	-	11.152	-	-	3.156	-	-	3.480	-	-	4.792	-	-	-	-	-	4.792
8 / Deployable/ Tactical SGIP CERP - OCO			-	-	8.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 / Prior Year Funding (OCO)			-	-	46.784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Distributed Common Ground/Surface System			-	-	120.711	-	-	18.597	-	-	12.522	-	-	11.645	-	-	-	-	-	11.645
Total			-	-	120.711	-	-	18.597	-	-	12.522	-	-	11.645	-	-	-	-	-	11.645

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

⁽¹⁾ Processing, Exploitation, Dissemination (PED)

⁽²⁾ Deployable/Tactical SOF Geospatial Intelligence (SGIP) CERP: Unit cost difference is reflective of variance between partial component CERP and full system CERP requirements based upon varying equipment utilization.

LI 020401INTL - DISTRIBUTED COMMON GROUND/SURFACE SYSTEM

United States Special Operations Command

UNCLASSIFIED

Page 3 of 3

P-1 Line #72

Volume 1 - 171

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160402BB
--	---	---

Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	372.053	131.905	103.938	96.333	0.984	97.317	79.598	73.139	54.838	70.984	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	372.053	131.905	103.938	96.333	0.984	97.317	79.598	73.139	54.838	70.984	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	372.053	131.905	103.938	96.333	0.984	97.317	79.598	73.139	54.838	70.984	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	1.753	0.864	0.879	0.895	-	0.895	0.913	0.933	0.955	0.974	-	8.166
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 line item provides for the procurement, rapid fielding, and associated costs of specialized equipment in the areas of Aircraft Support, Military Construction (MILCON) Collateral Equipment, Command, Control, Communications, and Computer Information and Automated Systems (C4IAS), Tactical Local Area Network (TACLAN), Special Access Program Network (SAPNET), Joint Operational Stocks (JOS), Base Procured Equipment (BPE), Multi-Mission Payload System (MMP) formerly known as Long Range Broadcast Systems (LRBS), Flyaway Broadcast System (FABS), and Miscellaneous Equipment. Additionally, this P-1 line item consists of miscellaneous equipment items that do not reasonably fit in any other USSOCOM procurement line item categories and are above the \$250K threshold. This P-1 line item includes FY 2019 Overseas Contingency Operations (OCO) funding (\$12.125 million) and FY 2020 OCO funding (\$0.028 million). FY 2021 funding includes OCO for Enduring Requirements (\$0.984 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), US Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing the C4IAS and TACLAN programs to better align with the Department's priorities as outline in the National Defense Strategy (-\$4.497 million).

-\$1.915 million - C4IAS - Reduces Classified Network System Infrastructure

-\$2.582 million - TACLAN - Reduces 14 suites - Capital Equipment Replacement Program (CERP)

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M				
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 1160431BB, 1160402BB				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Other Items <\$5M				- / 372.053	- / 131.905	- / 103.938	- / 96.333	- / 0.984	- / 97.317
P-40	Total Gross/Weapon System Cost				- / 372.053	- / 131.905	- / 103.938	- / 96.333	- / 0.984	- / 97.317
<p>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p>										
<p>Justification:</p> <p>1. Aircraft Support. This program provides various types of equipment and minor modifications required to support Special Operations Forces (SOF) fixed wing aircraft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures SOF-unique aircraft support equipment by funding small equipment parts and upgrades. Per DoD policy, and in accordance with Air Force policy, these funds reimburse the Air Force Stock Fund for SOF initial spares provisioned with Air Force Stock Fund obligation authority.</p> <p>2. MILCON Collateral Equipment. This program procures collateral equipment for SOF military construction facilities. No associated RDT&E funds.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Provides information technology equipment, video monitoring, targeting systems and other equipment above the Operation and Maintenance threshold of \$250 thousand, as well as items that are centrally managed.</p> <p>3. C4IAS. Provides garrison infrastructure directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DoD, and Service information systems. It provides the capabilities to exercise Command and Control (C2) and collaboration, process and share data, and facilitate mission planning and operational preparation of the battle space, connecting numerous data repositories while maintaining information assurance. Additionally, it provides the critical reach back for SOF tactically deployed local area networks/wide area networks. This program is composed of state-of-the-art automated systems (firewalls, routers, switches, hubs, modems) servers, storage devices, and associated peripherals supporting a myriad of SOF user requirements, to include cyber, and uses a variety of off-the-shelf software and databases to ensure interoperability between SOF units.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues to acquire next generation automation systems through the use of Evolutionary Technology Insertions (ETIs) to provide new capabilities and dramatic improvements to the SOF information environment. Continues implementation of dual distributed datacenters that support the consolidation of Headquarters, USSOCOM, Theater Special Operations Commands (TSOC), and Component Command's Information Technology (IT) infrastructure. Procures distributive data center network hardware, network system infrastructure, integration, and ETIs in support of SOF Command and Control (C2).</p> <p>4. TACLAN Automation Systems. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and C2 of forces in tactical environments. The program consists of information technology hardware, software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, as well as common and specialized user applications. The family of systems are mobile, modular and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operation Task Force echelon.</p> <p>FY 2021 PROGRAM JUSTIFICATION: CERP for 30 TACLAN modular network suites and integration.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures CERP for 4 TACLAN modular network suites and integration.</p>										

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB, 1160402BB
Line Item MDAP/MAIS Code: N/A		
<p>5. SAPNET. Supports multi-SAP collaboration and information exchange for mission operations. It is interoperable on SAP systems and databases, enabling secure voice, video and data communication between National/Theater SOF and select mission partners. SAPNET integrates advanced technologies and gains efficiencies through collapsing infrastructure while still supporting user growth and mission readiness through evolutionary ETIs.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures ETIs.</p> <p>6. Joint Operational Stock (JOS). Composed of USSOCOM centrally procured and managed stocks of materiel designed to provide SOF access to immediately available equipment in support of contingency, Humanitarian Assistance/Disaster Response and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare-base support. Bare-base support includes equipment required to provide key life support and work areas to SOF units deployed in austere locations. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY. The Military Liaison Element (MLE) equipment program provides for CERP and sustainment of operational and home station training sets used in direct support of the MLE mission. No associated RDT&E funds.</p> <p>7. Base Procured Equipment (BPE): This program procures authorized investment equipment which exceed the \$250K investment/expense threshold and are not part of an existing program of record (PoR). Examples of equipment include support equipment for modular facilities, mobile shoot houses, training ranges shelters, wargaming center equipment, uninterruptible power supply systems and terrain models.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various equipment items that exceed the \$250K investment/expense threshold and are not part of an existing program of record.</p> <p>8. Multi-Mission Payload (MMP). Formerly known as Long Range Broadcasting System (LRBS), the MMP is a family of broadcast assets capable of providing Frequency Modulation (FM), Television (TV) Ultra High Frequency (UHF)/Very High Frequency (VHF), and cellular Military Information Support Operations (MISO) broadcasts to foreign target audiences in permissive, semi-permissive, and denied environments with broadcast system integrated into long-loiter Unmanned Aerial Vehicle (UAV) and manned aircraft. The MMP consists of three variants: MMP-Heavy (H), MMP-Medium (M), and MMP-Light (L). MMP-H integrates onto EC-130J aircraft. The MMP-M integrates onto a MQ-1C and other select aircraft. Cost differs between variants because MMP-L consists of a series of modular pods that integrate onto Shadow UAVs and other select aircraft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures seven MMP-Light.</p> <p>9. Fly Away Broadcast System (FABS). FABS is a transit case broadcast system that utilizes commercial and industry standard technology to disseminate approved messaging to target audiences via FM, short wave (SW) cellular Secure Messaging System and TV transmitter.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Supports procurement of three Next Generation FABS (v3).</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M								Aggregated Items Title: Other Items <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1. Aircraft Support																				
1a / Aircraft Modification Spares and Repair Parts - Air Force Stock Fund			-	-	1.753	-	-	0.864	-	-	0.879	-	-	0.895	-	-	-	-	-	0.895
1b / C-27J Modifications			-	-	-	-	-	9.545	-	-	-	-	-	-	-	-	-	-	-	
1c / Prior Year Funding			-	-	2.780	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1. Aircraft Support			-	-	4.533	-	-	10.409	-	-	0.879	-	-	0.895	-	-	-	-	-	0.895
2. MILCON Collateral Equipment																				
2a / MILCON Collateral Equipment			-	-	61.558	-	-	21.727	-	-	27.665	-	-	33.496	-	-	-	-	-	33.496
2b / Project #P688, Camp Lemonier, Djibouti - Overseas Contingency Operations (OCO)			-	-	18.537	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2. MILCON Collateral Equipment			-	-	80.095	-	-	21.727	-	-	27.665	-	-	33.496	-	-	-	-	-	33.496
3. C4 Information and Automated Systems (C4IAS)																				
3a / Distributive Data Center Hardware			-	-	79.202	-	-	3.403	-	-	2.681	-	-	2.583	-	-	-	-	-	2.583
3b / Evolutionary Technology Insertions			-	-	4.035	-	-	2.167	-	-	2.199	-	-	4.844	-	-	-	-	-	4.844
3c / Classified Network System Infrastructure			-	-	31.652	-	-	23.852	-	-	20.389	-	-	4.800	-	-	-	-	-	4.800
3d / Unclassified Network System Infrastructure			-	-	25.781	-	-	11.124	-	-	11.350	-	-	12.860	-	-	-	-	-	12.860
3e / Unclassified and Classified Network Re-Engineering - OCO			-	-	-	-	-	7.700	-	-	-	-	-	-	-	-	-	-	-	
3f / Programmed Expansion			-	-	6.485	-	-	0.025	-	-	-	-	-	-	-	-	-	-	-	
3g / Integration			-	-	9.189	-	-	2.004	-	-	2.035	-	-	2.075	-	-	-	-	-	2.075
3h / Global Messaging/Counter Messaging (GMCM)			-	-	-	-	-	5.588	-	-	-	-	-	-	-	-	-	-	-	
3i / Cyber Infrastructure			-	-	-	-	-	-	-	-	-	-	-	6.173	-	-	-	-	-	6.173
Subtotal: 3. C4 Information and Automated Systems (C4IAS)			-	-	156.344	-	-	55.863	-	-	38.654	-	-	33.335	-	-	-	-	-	33.335 ⁽¹⁾

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M						Aggregated Items Title: Other Items <\$5M								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
4. Tactical Local Area Network (TACLAN)																				
4a / Suites - Capital Equipment Replacement Program (CERP)			0.203	227	46.000	0.212	71	15.021	0.247	35	8.650	0.247	30	7.399	-	-	-	0.247	30	7.399
4b / Suites - CERP OCO			-	-	-	-	-	-	-	-	-	-	-	-	0.246	4	0.984	0.246	4	0.984
4c / Ancillary Equipment OCO			-	-	-	-	-	-	-	-	0.028	-	-	-	-	-	-	-	-	-
4d / Ancillary Equipment			-	-	4.679	-	-	0.839	-	-	0.836	-	-	-	-	-	-	-	-	-
4e / Field Computing Devices			0.009	174	1.566	0.008	937	7.500	-	-	-	-	-	-	-	-	-	-	-	-
4f / Integration			-	-	6.963	-	-	1.309	-	-	1.463	-	-	1.098	-	-	-	-	-	1.098
4g / Prior Year Funding			-	-	0.955	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Tactical Local Area Network (TACLAN)			-	-	60.163	-	-	24.669	-	-	10.977	-	-	8.497	-	-	0.984	-	-	9.481 ⁽²⁾
5. Special Access Program Network (SAPNET)																				
5a / Evolutionary Technology Insertion			-	-	1.407	-	-	0.918	-	-	5.614	-	-	5.713	-	-	-	-	-	5.713
Subtotal: 5. Special Access Program Network (SAPNET)			-	-	1.407	-	-	0.918	-	-	5.614	-	-	5.713	-	-	-	-	-	5.713
6. Joint Operational Stocks (JOS)																				
6a / Military Liasion Element			-	-	6.181	-	-	2.492	-	-	2.544	-	-	-	-	-	-	-	-	-
6b / Equipment - CERP			-	-	11.035	-	-	2.322	-	-	2.359	-	-	-	-	-	-	-	-	-
6c / Prior Year Funding - OCO			-	-	20.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6. Joint Operational Stocks (JOS)			-	-	37.892	-	-	4.814	-	-	4.903	-	-	-	-	-	-	-	-	-
7. Base Procured Equipment (BPE)																				
7a / Equipment Items			-	-	-	-	-	4.902	-	-	1.991	-	-	1.991	-	-	-	-	-	1.991
Subtotal: 7. Base Procured Equipment (BPE)			-	-	-	-	-	4.902	-	-	1.991	-	-	1.991	-	-	-	-	-	1.991
8. Multi-Mission Payload (MMP) / Long Range Broadcasting System (LRBS)																				
8a / MMP-Heavy			-	-	-	2.151	4	8.603	-	-	-	-	-	-	-	-	-	-	-	-
8b / MMP-Medium			-	-	-	-	-	-	2.107	5	10.535	-	-	-	-	-	-	-	-	-
8c / MMP-Light			-	-	-	-	-	-	2.720	1	2.720	1.747 ⁽³⁾	7	12.226	-	-	-	1.747	7	12.226
8d / Prior Year Funding			-	-	6.679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4								P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M								Aggregated Items Title: Other Items <\$5M			

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: 8. Multi-Mission Payload (MMP) / Long Range Broadcasting System (LRBS)			-	-	6.679	-	-	8.603	-	-	13.255	-	-	12.226	-	-	-	-	-	12.226
9. Fly-Away Broadcasting System (FABS)																				
9a / FABS (v3)			-	-	-	-	-	-	-	-	-	0.060	3	0.180	-	-	-	0.060	3	0.180
Subtotal: 9. Fly-Away Broadcasting System (FABS)			-	-	-	-	-	-	-	-	-	-	-	0.180	-	-	-	-	-	0.180
10. Prior Year Funding																				
10a / Prior Year Funding			-	-	24.940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10. Prior Year Funding			-	-	24.940	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	372.053	-	-	131.905	-	-	103.938	-	-	96.333	-	-	0.984	-	-	97.317

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

- (1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing Classified Network System Infrastructure (-\$1.915 million).
- (2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing 14 suites - CERP (-\$2.582 million).
- (3) Unit cost reduction between FY20 and FY21 is due to economies of scale.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160483BB, 1160484BB
--	---	---

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	563.470	19.069	48.462	17.278	-	17.278	36.876	45.239	24.415	25.479	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	563.470	19.069	48.462	17.278	-	17.278	36.876	45.239	24.415	25.479	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	563.470	19.069	48.462	17.278	-	17.278	36.876	45.239	24.415	25.479	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	1.292	1.201	-	-	-	-	-	-	-	-	-	2.493
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Combatant Craft Systems line item serves as the umbrella for small, medium, heavy, and assault combatant craft programs, sub-systems, and ancillary equipment to include prime movers and trailers. Currently, it includes Combatant Craft Medium (CCM), Combatant Craft Heavy (CCH), Riverine Craft, Combatant Craft Forward Looking Infrared (CCFLIR) program, and Combatant Craft Assault (CCA). These capabilities will be pursued via rapid fielding techniques when appropriate.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS				
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 1160483BB, 1160484BB				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Combatant Craft Systems				- / 563.470	- / 19.069	- / 48.462	- / 17.278	- / -	- / 17.278
P-40	Total Gross/Weapon System Cost				- / 563.470	- / 19.069	- / 48.462	- / 17.278	- / -	- / 17.278
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p>Justification:</p> <p>1. CCM: The CCM is a semi-enclosed multi-mission combatant craft for platoon-size maritime mobility in maritime contested environments. It is multi-mission capable, including Maritime Interdiction, Insert/Extract, and Visit, Board, Search, and Seizure (VBSS) Operations. CCM is Naval Special Warfare's (NSW) craft-of-choice for long-range, high-payload SOF mobility operations in contested environments. CCM has NSW's best Iron Triangle: 40 knot (kt) speed; 4 crew + 19 passengers (pax)/10,000 pound (lb) payload; and 600 nautical miles (nm) range. CCM Mk 1 payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 60 feet long, CCM is C-17/C5 transportable and can launch/recover by well deck or shore based trailer.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures Government Funded Equipment (GFE), Engineering Change Proposal (ECPs), and spares.</p> <p>2. CCH: The CCH program represents a family of solutions that provides platoon-size maritime surface mobility. The current CCH is the Sea, Air, Land Insertion, Observation, and Neutralization (SEALION) craft. SEALION is a fully-enclosed, climate-controlled, semi-submersible craft that operates in contested environments. SEALION is NSW's most versatile and survivable combatant craft and the craft-of-choice for sensitive maritime intelligence, surveillance, and reconnaissance missions. Iron Triangle: 40 kt speed; 7 crew + 12 pax/3,300 lb payload; and 400 nm range. SEALION payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 77+ feet long, SEALION is C-17/C-5 transportable and can launch/recover by well deck or shore based mobile travel lift or crane.</p> <p>3. Riverine Craft: The Riverine Craft provides the capability to insert and extract SOF in the riverine environment. The craft is capable of navigating restricted and shallow rivers, estuaries, and bays. It is also capable of carrying light organic arms and is C-130 transportable.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures one prime mover and Detachment Deployment Package (DDP) and ECP.</p> <p>4. CCFLIR: The CCFLIR program consists of a legacy CCFLIR and the CCFLIR2. The CCFLIR capability provides Special Operations Forces (SOF) with a multi-sensor, electro-optic system that enhances SOF effectiveness by improving their ability to detect, recognize, identify, range, track, and highlight objects of interest in a maritime environment. The legacy CCFLIR is under sustainment and is currently used on all NSW combatant craft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures eight Next Generation (NG) CCFLIR2.</p> <p>5. CCA: The CCA program is a combatant craft for squad-size maritime mobility operations in contested environments. CCA is NSW's best craft for VBSS. It is the craft-of-choice for maritime interdiction and boarding operations because of the open deck space, maneuverability, and interoperability with an Afloat Forward Staging Base. Iron Triangle: 40 kt speed; three crew + 12 pax/5,000 lb payload; and 300 nm range. At 41 feet long, CCA is air transportable by C-130/C-17/C-5 and can launch/recover by crane, davit, well deck, or shore based trailer.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures two life cycle replacement CCAs, GFE, ECPs, prime movers, and ancillary equipment and spares as required.</p>										

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS										Aggregated Items Title: Combatant Craft Systems				
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1 - Combatant Craft Medium																				
1.1 / Craft System			5.581	23	128.371	6.982	2	13.963	-	-	-	-	-	-	-	-	-	-	-	-
1.2 / Craft System (Congressional Add) (1)			-	-	-	-	-	-	7.205	1	7.205	-	-	-	-	-	-	-	-	-
1.3 / Prime Movers (2)			0.345	18	6.210	-	-	-	0.417	6	2.500	-	-	-	-	-	-	-	-	-
1.4 / Government Furnished Equipment (GFE), Engineering Change Proposals (ECPs), Spares (3)			-	-	13.810	-	-	-	-	-	4.705	-	-	3.087	-	-	-	-	-	3.087
1.5 / Prior Years			-	-	36.535	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1 - Combatant Craft Medium			-	-	184.926	-	-	13.963	-	-	14.410	-	-	3.087	-	-	-	-	-	3.087
2 - Combatant Craft Heavy																				
2.2 / Prior Years			-	-	17.225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1 / Initial Spares			-	-	1.292	-	-	1.451	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2 - Combatant Craft Heavy			-	-	18.517	-	-	1.451	-	-	-	-	-	-	-	-	-	-	-	-
3 - Riverine Craft																				
3.1 / Craft System			-	-	81.345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2 / Prime Movers and Detachment Deployment Packages (DDPs)			-	-	8.800	0.502	1	0.502	0.239	1	0.239	0.243	1	0.243	-	-	-	0.243	1	0.243
3.3 / ECPs			-	-	3.259	-	-	-	-	-	0.179	-	-	0.183	-	-	-	-	-	0.183
Subtotal: 3 - Riverine Craft			-	-	93.404	-	-	0.502	-	-	0.418	-	-	0.426	-	-	-	-	-	0.426
4 - Combatant Craft Forward Looking Infrared System (CCFLIR)																				
4.1 / Next Generation (NG) CCFLIR Systems			-	-	11.135	0.783	4	3.133	-	-	-	-	-	-	-	-	-	-	-	-
4.2 / NG CCFLIR2 Systems (4)			-	-	-	-	-	-	0.730	24	17.520	0.770	8	6.162	-	-	-	0.770	8	6.162
4.3 / Prior Years			-	-	39.462	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4 - Combatant Craft Forward Looking Infrared System (CCFLIR)			-	-	50.597	-	-	3.133	-	-	17.520	-	-	6.162	-	-	-	-	-	6.162
5 - Combatant Craft Assault																				
5.1 / Craft System			-	-	73.440	-	-	-	-	-	4.807 (5)	3.309	2	6.617	-	-	-	3.309	2	6.617
5.2 / Craft System (Congressional Add)			-	-	-	-	-	-	-	-	8.169 (6)	-	-	-	-	-	-	-	-	-
5.3 / GFE, ECPs, Prime Movers,			-	-	22.242	-	-	0.020	-	-	3.138	-	-	0.986	-	-	-	-	-	0.986

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4								P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS							Aggregated Items Title: Combatant Craft Systems				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Ancillary Equipment, Spares																				
5.4 / Prior Years/ Congressional Add			-	-	20.739	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5 - Combatant Craft Assault			-	-	116.421	-	-	0.020	-	-	16.114	-	-	7.603	-	-	-	-	-	7.603⁽⁷⁾
Prior Year Funding																				
1 / 1.1 - Prior Year Funding			-	-	99.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year Funding			-	-	99.605	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	563.470	-	-	19.069	-	-	48.462	-	-	17.278	-	-	-	-	-	17.278

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

⁽¹⁾ Decrease of -\$7.205 million is due to a Congressional Add decrease in FY 21 due to a CCM training loss.

⁽²⁾ Decrease of -\$2.500 million for prime movers which met basis of issue.

⁽³⁾ Decrease of -\$1.618 million for reduction in spares.

⁽⁴⁾ Decrease -\$11.358 million is due to CCFLIR2 replacement reaching basis of issue of 58.

⁽⁵⁾ By combining Craft Systems (5.1) and Craft Systems (Congressional Add) (5.2) in FY20 into a single purchase order, Maritime is able to purchase four (4) Combatant Craft Assault (CCA) Systems due to an economic order quantity of \$3.244 million.

⁽⁶⁾ By combining Craft Systems (5.1) and Craft Systems (Congressional Add) (5.2) in FY20 into a single purchase order, Maritime is able to purchase four (4) Combatant Craft Assault (CCA) Systems due to an economic order quantity of \$3.244 million.

⁽⁷⁾ Net decrease of \$8.511 million from FY20 is due to a Congressional Add decrease (-\$8.169 million) and a one time buy for lead craft equipment on new production contract (-\$0.342 million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204SPCPRG / SPECIAL PROGRAMS
--	---

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	258.745	13.789	63.467	78.865	-	78.865	49.484	20.116	25.663	20.898	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	258.745	13.789	63.467	78.865	-	78.865	49.484	20.116	25.663	20.898	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	258.745	13.789	63.467	78.865	-	78.865	49.484	20.116	25.663	20.898	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160480BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,000.025	142.239	114.122	30.158	2.990	33.148	21.473	21.856	22.298	22.745	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,000.025	142.239	114.122	30.158	2.990	33.148	21.473	21.856	22.298	22.745	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2,000.025	142.239	114.122	30.158	2.990	33.148	21.473	21.856	22.298	22.745	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	2.742	0.602	0.500	0.105	-	0.105	-	-	-	-	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Special Operations Forces (SOF) ground tactical vehicles are used for Counterterrorism, Counter-Proliferation, Foreign Internal Defense, Special Reconnaissance, Direct Action, and Unconventional Warfare missions, and serve as a weapons platform throughout all areas of the battlefield and/or mission area. The current SOF ground tactical vehicles include: Ground Mobility Vehicles (GMV) (Medium), Non-Standard Commercial Vehicles (NSCV) for use in tactical missions, Mine Resistant Ambush Protected Vehicles (MRAP) (Heavy), Light Tactical All-Terrain Vehicle (LTATV) and Joint Light Tactical Vehicle (JLTV). These ground tactical vehicles are highly effective in executing SOF contingency missions worldwide. This program supports the rapid fielding of SOF GMV (Medium) and NSCV. This P-1 line item received FY 2019 Overseas Contingency Operations (OCO) funding (\$59.891 million) and FY 2020 OCO (\$2.990 million) for Enduring Requirements. FY 2021 funding includes OCO for Enduring Requirements (\$2.990 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the NSCV program to better align with the Department's priorities as outlined in the National Defense Strategy (-\$9.348 million).

-\$9.348 million - NSCV - Reduces 25 Armored NSCVs and 25 CRISR/ECMS - A Kits and production and fielding support.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES				
ID Code (A=Service Ready, B=Not Service Ready):			Program Elements for Code B Items: N/A			Other Related Program Elements: 1160480BB				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Tactical Vehicles				- / 2,000.025	- / 142.239	- / 114.122	- / 30.158	- / 2.990	- / 33.148
P-40	Total Gross/Weapon System Cost				- / 2,000.025	- / 142.239	- / 114.122	- / 30.158	- / 2.990	- / 33.148
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p>Justification:</p> <p>1. GMV (Medium). The GMV 1.1 is an extremely mobile vehicle capable of internal air transport in a MH-47 that allows SOF operators a fast roll-on/roll-off capability ideal for a full spectrum of operations. The GMV 1.1 is equipped with an A Kit to accept a Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) suite to provide an integrated and standardized communications platform. This program received Overseas Contingency Operations (OCO) funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 18 C4ISR/ECMS A-Kits and initial spares.</p> <p>2. NSCV. Program provides a base vehicle that is representative of the local area where SOF is operating, and then installs SOF-peculiar modifications to provide increased protection, mobility, and communications. Depending on the mission, SOF modifications may include armor protection, winch, high capacity alternator, upgraded brakes and suspension system, and mounts/antennas for communications equipment. These low signature vehicles allow SOF to blend in with the local population in various locations around the world. This program received OCO funding in FY 2019 and FY 2020.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 71 (61 armored/10 unarmored) NSCVs, 83 C4ISR/ECMS A-Kits, and production and fielding support (shipping and training).</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 12 Armored NSCVs.</p>										

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES								Aggregated Items Title: Tactical Vehicles					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1. Ground Mobility Vehicle (GMV) (Medium)																				
1a / Base Vehicle & SOF Kits			-	-	177.442	0.355	42	14.910	0.378	57	21.546	-	-	-	-	-	-	-	-	-
1b / Base Vehicle & SOF Kits - Overseas Contingency Operations (OCO)			-	-	2.004	0.354	108	38.280	-	-	-	-	-	-	-	-	-	-	-	-
1c / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits			-	-	55.374	0.113	170	19.210	0.113	107	12.091	0.115	18	2.070	-	-	-	0.115	18	2.070
1d / Advanced Armor Kits - OCO			-	-	25.817	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1e / Production Support			-	-	17.085	-	-	6.791	-	-	3.565	-	-	-	-	-	-	-	-	-
1f / Initial Spares			-	-	2.692	-	-	0.602	-	-	0.500	-	-	0.105	-	-	-	-	-	0.105
1g / Base Vehicle & SOF Kits Congressional Plus Up (CPU)			-	-	4.344	-	-	-	0.365	65	23.725	-	-	-	-	-	-	-	-	-
1h / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits (CPU)			-	-	-	-	-	-	0.147	65	9.575	-	-	-	-	-	-	-	-	-
1i / Initial Spares (CPU)			-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1j / Production Support (CPU)			-	-	0.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1. Ground Mobility Vehicle (GMV) (Medium)			-	-	284.860	-	-	79.793	-	-	71.002	-	-	2.175	-	-	-	-	-	2.175
2. Non-Standard Commercial Vehicle (NSCV)																				
2a / Armored NSCV			-	-	96.540	0.245	94	23.030	0.250	99	24.760	0.255	61	15.576	-	-	-	0.255	61	15.576
2b / Armored NSCV - OCO			-	-	11.186	0.245	61	14.945	0.249	12	2.990	-	-	-	0.249	12	2.990	0.249	12	2.990
2c / Unarmored NSCV			-	-	12.126	0.172	19	3.268	0.175	6	1.050	0.179	10	1.790	-	-	-	0.179	10	1.790
2d / C4ISR/ECMS - A Kits			-	-	33.015	0.102	106	10.812	0.106	117	12.402	0.110	83	9.130	-	-	-	0.110	83	9.130
2e / C4ISR/ECMS - A Kits - OCO			-	-	4.600	0.102	61	6.222	-	-	-	-	-	-	-	-	-	-	-	-
2f / Production and Fielding Support			-	-	16.015	-	-	3.725	-	-	1.918	-	-	1.488	-	-	-	-	-	1.488
2g / Armored NSCV - CPU			-	-	1.953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020				
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4								P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES							Aggregated Items Title: Tactical Vehicles				

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2h / C4ISR/ECMS - A Kits (CPU)			-	-	0.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2i / Production and Fielding Support (OCO)			-	-	0.147	-	-	0.444	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Non-Standard Commercial Vehicle (NSCV)			-	-	176.482	-	-	62.446	-	-	43.120	-	-	27.983	-	-	2.990	-	-	30.973⁽¹⁾
3. Prior Years																				
3 / Prior Years Funding			-	-	1,538.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. Prior Years			-	-	1,538.683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	2,000.025	-	-	142.239	-	-	114.122	-	-	30.158	-	-	2.990	-	-	33.148

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

⁽¹⁾ For the Defense Wide Review, United States Special Operations Command performed a comprehensive analysis of future capabilities and is reducing 25 Armored NSCVs and 25 C4ISR/ECMS - A Kits and production and fielding support (-\$9.348 million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,253.638	470.285	335.992	260.733	32.573	293.306	276.972	282.592	285.664	286.725	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,253.638	470.285	335.992	260.733	32.573	293.306	276.972	282.592	285.664	286.725	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,253.638	470.285	335.992	260.733	32.573	293.306	276.972	282.592	285.664	286.725	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This P-1 Line Item provides for the procurement, rapid fielding, and associated costs of specialized equipment in the areas of communications, weapons, soldier protection and survival systems, Personal Signature Management (PSM), Counter Radio-Controlled Improvised Explosive Device (RC-IED) jamming systems, Counter-Unmanned Aircraft Systems (C-UAS), Visual Augmentation Systems (VAS): optics, lasers and simulators, radios, trainers, simulators, mission planning and rehearsal systems to meet Special Operations Forces (SOF)-unique requirements. The efforts within this P-1 Line Item improve SOF warfighting capabilities by continuing the procurement of smaller, lighter, more efficient and more robust capabilities. Communications efforts will maintain a Command, Control, and Communications (C3) link between SOF Commanders and SOF Teams, and provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies and allied foreign forces. Small Arms and Weapons procures SOF weapons and associated equipment that have increased capabilities over the service-common small arms. Specialized protection and survival equipment improves survivability and load bearing equipment impacting the mobility of SOF while conducting varied missions. RC-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency detonation threats during mobile and dismount operations. C-UAS enhances the SOF Operator's ability to detect, track, identify, exploit and defeat specific stand-off unmanned weapon threats, and to acquire objects of military significance before an operator is detected and to target threat objects accurately for engagement by operators C-UAS defeat capabilities. Visual augmentation, lasers and sensor systems, simulators and accessories provide SOF with day and night detection, observation, engagement, assessment and proficiency training capabilities that exceed service-common systems and optimizes hyper-enabled operator effectiveness. Tactical radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control (C2) communications between operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments. Mission Command System Common Operating Picture (MCS/COP) procures new technology hardware components for establishing a unified SOF COP across all domains at the strategic, operational and tactical level. This P-1 line item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$21.135 million) and enduring OCO in FY 2020 (\$37.512 million). FY 2021 funding includes OCO for enduring requirements (\$32.573 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing and streamlining contract support efforts for RC-IED, C-UAS, SDN, SPCOM, and VAS programs to better align with the Department's priorities as outlined in the National Defense Strategy (\$31.003 million).

- \$0.640 million - SPCOM - reduces procurement quantities by four SPCOM Field Mission Sets.
- \$16.972 million - SDN - reduces procurement quantities by one SDN-Heavy hardware Capital Equipment Replacement Plan (CERP), 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP.
- \$0.428 million - RC-IED - reduces procurement of and contract support efforts for ancillary equipment which includes Modi Vehicle Power Modules (VPM), Modi backpacks and Egon Master Modules.
- \$0.443 million - C-UAS - reduces procurement quantities and contract support efforts for various C-UAS devices and ancillary equipment.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
<p>-\$6.622 million - VAS-Optics - reduces procurement quantities by 194 Binocular Night Vision Devices (NVD) - AN/PVS-31, 133 Clip On Thermal Imagers (COTI) - AN/PVS-29, 89 Clip On Short Wave Infrared Imager (COSI) AN/PAS-34, 10 Hand Held Imager (HHI), Mini Long-Range AN/PAS-33, 924 S-VPS (SFP) SU-293/PVS, 1,810 S-VPS (FFP) SU-294/PVS, and 199 SU-91/PVS Day Optics Handgun Reflex Sight (HRS).</p> <p>-\$4.528 million - VAS-Lasers - reduces procurement quantities by 400 ATPIAL Squad Aiming Lasers LA-23 PEQ, 118 ATPIAL Precision Aiming Lasers, 228 ATPIAL Handgun Aiming Lasers, 750 ATPIAL Ranging Aiming Lasers, and 450 Thermal Beacons.</p> <p>-\$1.370 million - VAS-Simulators - reduces procurement quantities for various VAS-Simulators.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command	Date: February 2020
---	----------------------------

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs	P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
--	--

ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
--	---	--

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Category - WARRIOR SYSTEMS <\$5M / 1. Special Communication (SPCOM) Enterprise				- / 13.384	- / 3.064	- / 4.976	- / 6.936	- / 2.052	- / 8.988 ⁽¹⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 2. Satellite Deployable Node (SDN)				- / 548.232	- / 94.293	- / 114.197	- / 60.842	- / 0.813	- / 61.655 ⁽²⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 3. SCAMPI				- / 92.591	- / 22.976	- / 29.745	- / 42.800	- / 8.640	- / 51.440
P-40a	Category - WARRIOR SYSTEMS <\$5M / 4. Weapons				- / 52.860	- / 15.426	- / 16.944	- / 11.461	- / -	- / 11.461
P-40a	Category - WARRIOR SYSTEMS <\$5M / 5. Tactical Combat Casualty Care (TCCC)				- / 36.824	- / 16.269	- / 2.839	- / 1.084	- / 1.561	- / 2.645
P-40a	Category - WARRIOR SYSTEMS <\$5M / 6. Personal Signature Management (PSM)				- / -	- / -	- / 0.059	- / -	- / -	- / -
P-40a	Category - WARRIOR SYSTEMS <\$5M / 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)				- / 110.374	- / 34.251	- / 13.360	- / 13.203	- / -	- / 13.203 ⁽³⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 8. Counter Unmanned Aircraft System (C-UAS)				- / -	- / 8.500	- / 13.000	- / -	- / 12.557	- / 12.557 ⁽⁴⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 9. Visual Augmentation Systems (VAS) - Optics				- / 195.210	- / 33.104	- / 23.594	- / 16.755	- / -	- / 16.755 ⁽⁵⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 10. Visual Augmentation Systems (VAS) - Lasers				- / 43.549	- / 33.973	- / 14.298	- / 9.987	- / -	- / 9.987 ⁽⁶⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 11. Visual Augmentation Systems (VAS) - Simulators				- / -	- / 1.100	- / 12.427	- / 1.142	- / -	- / 1.142 ⁽⁷⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 12. SOF Tactical Communications				- / 121.807	- / 190.199	- / 83.069	- / 88.683	- / 6.950	- / 95.633 ⁽⁸⁾
P-40a	Category - WARRIOR SYSTEMS <\$5M / 13. Radio Integration System				- / 23.341	- / 7.786	- / 4.323	- / 3.386	- / -	- / 3.386
P-40a	Category - WARRIOR SYSTEMS <\$5M / 14. Blue Force Tracking				- / 15.466	- / 9.344	- / 3.161	- / 3.079	- / -	- / 3.079
P-40a	Category - WARRIOR SYSTEMS <\$5M / 15. Mission Command System Common Operational Picture (MCS/COP)				- / -	- / -	- / -	- / 1.375	- / -	- / 1.375
P-40	Total Gross/Weapon System Cost				- / 1,253.638	- / 470.285	- / 335.992	- / 260.733	- / 32.573	- / 293.306

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title / Category Title when only P-40a Categories are shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

1. Special Communications (SPCOM) Enterprise. Program includes organization, practices, processes, services, networks, systems and subsystems that manage and provide clandestine exchange of information between elements (field-to-field, field-to-base and base-to-field) for worldwide deployed SOF units, often in austere environments with heavy adversarial monitoring. Acquisition efforts are structured for rapid procurements to counter adaptable emerging threats in all theaters of SOF sensitive missions. This program received Overseas Contingency Operations (OCO) funding in FY 2020.

FY 2021 PROGRAM JUSTIFICATION: Procures 15 field mission sets, as well as enterprise segment and base end segment such as mission-tailored, anti-intrusion/detection, enterprise-level, obfuscated communication capabilities for sensitive missions.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
FY 2021 OCO PROGRAM JUSTIFICATION: Procures enterprise segment capabilities for sensitive missions.		
2. Satellite Deployable Node (SDN). Family of deployable, super high frequency, multi-band, Satellite Communications (SATCOM) systems providing the transport path for high-capacity, voice, data, Video Teleconferencing (VTC), and Intelligence Surveillance Reconnaissance (ISR) Full Motion Video (FMV) at all levels of classification. It consists of SDN subprograms, transport for intelligence variants, technology insertions and capital equipment replacement, to include FMV and Communications-On-the-Move (COTM). SDN-Heavy (SDN-H) is a deployable multi-channel/multi-band SATCOM terminal and associated switching equipment that provides wide-area connectivity through SOCOM Strategic Entry Points (SSEP) and commercial teleports for SOF task forces. SDN-Medium (SDN-M) is a lightweight, multi-channel SATCOM system that provides Command, Control, Communications, and Computers (C4) for SOF mid-level tactical headquarters and operational elements. SDN-Light (SDN-L) is a rugged, portable SATCOM package that supports small SOF liaison teams and small operational elements. Wide-band COTM consists of SDN afloat, ground mobile and airborne packages for SOF elements. The SDN ISR supports multimedia (ground, air, sea) sensor data backhaul and reception between platforms and various networks. This program received OCO funding in FY 2019 and FY 2020.		
FY 2021 PROGRAM JUSTIFICATION: Procures CERP of seven SDN-H, CERP 36 SDN-M, CERP 178 SDN-L, CERP Full Motion Video (FMV) - Evolutionary Technology Insertions (ETIs), SDN-Extension Packages, COTMs, CERP COTM ETIs, CERP 42 Light Vx Variants, and SSEP.		
FY 2021 OCO PROGRAM JUSTIFICATION: Procures SDN-Extension Packages and COTMs.		
3. SCAMPI (not an acronym). Wide Area Network (WAN) foundation system that transports, encrypts, and accelerates all data, voice, and video information between Headquarters USSOCOM, SOF deployed forces, all subordinate commands, and selected government agencies and activities directly supporting the special operations community. SCAMPI provides transport of SOF data, voice, and video, for all classification levels, to all USSOCOM locations in the SOF Information Environment (SIE). SCAMPI also utilizes commercial Satellite Infrastructure globally to extend the SIE to SDNs. This program received OCO funding in FY 2020.		
FY 2021 PROGRAM JUSTIFICATION: CERP one Special Purpose Processing Node (SPPNs), procure one Installation Gateway (IG), CERP nine Installation Gateways, CERP one Strategic Installation Gateway (SIG), and procure nine Airborne ISR Transport manned/unmanned hubs.		
FY 2021 OCO PROGRAM JUSTIFICATION: CERP five Installation Gateways.		
4. Weapons. Provides the SOF operator with common caliber weapons that enable SOF to accurately engage enemy personnel and materiel in all SOF environments at ranges up to 1500 meters. The Weapons program is delineated into four sub-programs: Weapons-Rifles, Weapons-Sniper Rifles, Weapons-Machine Guns, and Weapons-Handguns. Weapons include common caliber pistols to engage at close range, modular assault rifles to engage out to 600 meters, Sniper Support Rifles to engage out to 800 meters, sniper rifles to engage out to 1500 meters, shoulder fired grenade launchers, vehicle and man-portable high velocity grenade launchers, machine guns to engage out to 1000 meters, multi-barreled mini-guns which can be mounted on boats, vehicles, aircraft, and ground mounted to engage out to 3,500 meters, and Weapon Accessories to include suppressors used on both service-common and SOF weapons. These enable the operator to tailor the configuration of the weapon to the assigned mission and operational environment, enhancing the overall effectiveness of the weapons, which enables mission accomplishment and operator survivability. Mid-Range Gas Gun (MRGG), Lightweight Machine Gun-medium, and Personal Defense Weapons System (PDW) are designated MTA programs which uses the rapid fielding pathway and is executed using existing contracts, government agencies, and new contract competitively selected as appropriate.		
FY 2021 PROGRAM JUSTIFICATION: Procures 508 Rifle Upper Receiver Groups (URG), 76 MK 15 Sniper Rifles, 303 Advanced Sniper Rifles (ASR), 298 Glock 19 Handguns and weapons range equipment.		
5. Tactical Combat Casualty Care (TCCC). Provides medical devices and equipment for treatment of casualties in support of forward deployed SOF. This program consists of the Operator Kit, Medic Kit, and Casualty Evacuation (CASEVAC) Set. The TCCC Program procures a variety of Food and Drug Administration-approved medical items include intraosseous (injection into the bone marrow) infusion devices; patient monitoring and assessment devices; emergency airway kits; and devices that support patient management, extraction, transportation, and casualty care. The TCCC program fields essential lifesaving CASEVAC equipment and capabilities and is a platform to transition capabilities developed under the National Mission Force's Tactical Medical Program. Finally, this program provides significant ability to lessen battlefield losses by providing timely, critical lifesaving, and evacuation capabilities to forward-deployed SOF Operators. This program received OCO funding in FY 2019 and FY 2020.		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
<p>FY 2021 PROGRAM JUSTIFICATION: Procures six CASEVAC sets and production support.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures nine CASEVAC sets.</p> <p>6. PSM. The PSM program provides signature reducing materials and technology that reduce the probability of detection by battlefield threat sensors.</p> <p>7. RC-IED. Centralized program that provides a capability for USSOCOM to acquire RC-IED jamming systems. Mounted and Dismounted system designs provide force protection while operating in various environments. These systems are designed for easy update to protect against an evolving threat matrix. Continued procurement of the low visibility RC-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency (RF) detonation threats during mobile and dismount operations. This program provides scalable RC-IED systems whose configuration and modularity address a mission critical capability gap to counter the proliferation of RF-initiated IEDs globally. USSOCOM coordinates with other government agencies and Services to maximize hardware procurement savings through economies of scale. The procurement of SOF-specific RC-IED systems provides unique special mission ECM capabilities to National units.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 61 force protection RC-IED devices, and ancillary equipment.</p> <p>8. C-UAS. Provides the SOF Operator protection with a wide range of lightweight, low signature mounted, dismounted (hand held and man-portable) and expeditionary fixed site systems, to include but not limited to radio frequency (RF) detection, acoustic, electro-optical infrared (EO/IR), passive and active radar sensors. Procurement of SOF C-UAS systems allow the detection, identification, tracking, location and exploitation of enemy unmanned systems during dismounted and mounted operations in hostile and denied environments, while the services focus primarily on providing capability to address fixed site defense of Forward Operating Bases (FOB). C-UAS supports the National Defense strategy in providing joint lethality in contested environments by its continuous efforts in developing a variety of countermeasures to address C-UAS emerging threats. This program received OCO funding in FY 2020.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures C-UAS devices (to include, but not limited to: passive/active mounted, dismounted (hand-held, man-portable) and expeditionary fixed site) and ancillary equipment.</p> <p>9. VAS - Optics. Provides the SOF operator with lightweight, man-portable thermal imagers that detect, acquire, and observe targets during day/night operations; equip the sniper with a lightweight, low signature, fire control and observation device that allows operators to detect, acquire, and engage targets out to the weapon's maximum effective range under day/night conditions; the devices allow the sniper to utilize the weapon during day to night operations without re-zeroing. VAS optics enhances target acquisition and accuracy of all SOF weapons, resulting in increased mission accomplishment and operator survivability. This program received OCO funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 1,000 Binocular Night Vision Devices, 200 Clip on Thermal Imagers, 60 Clip on Short Wave Infrared Imagers, 2,076 S-VPS (SFP) SU-293/VPS, 1,014 S-VPS (FFP) SU-294/VPS, and one SU-91/PVS Day Optics Handgun Reflex Sight (HRS).</p> <p>10. VAS - Lasers. Provides markers, lasers (handheld, body or helmet worn), infrared sights, and small target location devices. Provides laser target designators with range finding capability. The marker and location devices allow operators to conduct close air support and air interdiction missions through the terminal guidance of laser-guided munitions and provide precise location of targets. The marking devices reduce collateral damage and increase precise target engagements with fighter aircraft and attack helicopters. Thermal devices provide a night vision capability and verify that the energy from the device is on the target. This system is specifically gated and turned to view the invisible laser spot of the marker for use in designating laser guided bombs to targets. The Small Target Location Device (STLD) provides precise location of devices via lasers and celestial/terrestrial or alternative positional subsystems. Thermal beacon enables assets equipped with thermal sensors to identify the location of forces in order to prevent friendly fire or fratricide events. This budget item incorporated the VAS Weapons Accessories - Advanced Target Pointer Illuminator Aiming Laser (ATPIAL), and Laser Aiming Markers (LAM) programs.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 2,300 ATPIAL Squad Aiming Lasers, 35 ATPIAL Precision Aiming Lasers, 56 ATPIAL Handguns, 350 ATPIAL Ranging Aiming Laser, and 45 STLDs.</p>		

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command		Date: February 2020
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs		P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M
ID Code (A=Service Ready, B=Not Service Ready):	Program Elements for Code B Items: N/A	Other Related Program Elements: 1160431BB
Line Item MDAP/MAIS Code: N/A		
<p>11. VAS – Simulators. Simulator trainers enable SOF operators to learn, enhance, and hone skills, at a greatly reduced cost to training on a weapons range with live munitions. This item procures various simulators to enhance skills, such as the Joint Terminal Attack Controller (JTAC) simulation training for forward deployed SOF operators who direct the action of combat aircraft engaged in close air support and other offensive air operations. There are three required configurations, which include a full immersive system, classroom systems, and deployable system. The immersive and classroom configurations provide a full realistic simulation which addresses multiple phases of training to include proficiency, readiness, and mission preparation. The deployable configuration will support Host Nation/Partner Nation (HN/PN) training, as well as internal currency and rehearsal requirements when a JTAC is away from the garrison unit during training or forward deployed.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 11 Joint Terminal Attack Controller (JTAC) simulators.</p> <p>12. SOF Tactical Communications (STC). Provides the next generation SOF communication system and replaces most of the currently fielded SOF suite of radios. The capability will consist of four basic form factors: 1) Man-Pack (MP) device will be a multi-band device capable of being carried by an individual or being mounted on various SOF platforms; 2) Fixed configuration will be a multi-band and/or High-Frequency (HF) device designed for implementation into air/ground/sea platforms or base stations; 3) HF device in a man-pack configuration will be capable of being mounted on various SOF platforms; 4) Handheld (HH) device will include both an urban and maritime variant. This system will introduce additional capabilities to SOF to improve current situational awareness capabilities and performance on SOF platforms. Capabilities will include: real time, hostile and friendly force information; Line of Sight (LOS) and Beyond LOS communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks. This system will be a key component of an integrated network providing information connectivity among SOF, the Services, other government agencies, and potentially indigenous and surrogate forces. This program received OCO funding in FY 2019 and FY 2020 and Congressional Adds in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 286 HH Link-16 radios, CERP 2,254 HH radios, CERP 1,308 MP radios, and CERP 330 HF radios.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 188 HH Link-16 radios.</p> <p>13. Radio Integration System (RIS). RIS provides the command, control, and communications (C3) linkage between deployed SOF bases and Liaison Officer (LNO) teams to SOF, SOF headquarters, and SOF support elements. RIS is an evolutionary acquisition program to procure the most current tactical C3 communications system for deployed and forward-based SOF and is fully modular and scalable and consists of subsystems that allow users to tailor system capabilities, size, and features dependent on a particular mission. RIS interfaces, enhances, and combines multiple single channel radios into one integrated C3 suite to exchange secure/non-secure voice, secure data, and remote communications with other communications platforms in support of the SOF mission. RIS variants include; the Multi-Band Radio Transit Case, High Frequency Transit Case, and Mobile Base Station, and provide operators with increased capability, greater scalability, and a reduction in the size, weight, and power of previously fielded versions. These variants integrate existing and future radios to enable the SOF operational commander to exercise reliable, effective, and efficient C3 functions regardless of area of operation. This program received OCO funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures nine Multi-Band Radio Transit Cases, seven High Frequency Transit Cases, and five Mobile Base Stations.</p> <p>14. Blue Force Tracking (BFT). Family of devices used to remotely track and monitor Blue Forces. The capability enhances C2, threat warning, force protection, situational awareness, combat search and rescue, personnel recovery, counter-fratricide, and battlefield visualization. This capability is unique to SOF because it requires the devices to be lightweight, portable, secure and a Low Probability of Intercept/ Low Probability of Detection. SOF systems include handheld devices that provides automated transmission of position location information and brevity codes supporting both ground and air assets. This information is collected by national or commercial assets, relayed to select command units, and displayed on the receiving unit's common operational picture.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 122 SHOUT-TS1, 154 Riverjack Tracker (RJT), 15 Lightning Bolt Handheld (LBHH),493 SHOUT-TS1S, and 31 Sand Dollar.</p> <p>15. MCS/COP. MCS/COP provides shared situational awareness for Special Operations Forces Commanders across all domains at the tactical, operational, and strategic levels. The MCS/COP delivers a near-real time common operational picture for understanding of the intelligence and operational environment to support decision making.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures new technology for a unified SOF Common Operating Picture. High performance cloud computing infrastructure.</p>		

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M										Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
1. Special Communication (SPCOM) Enterprise																					
1a / SPCOM Field Mission Sets			-	-	10.191	0.161	19	3.064	0.162	17	2.759	0.165	15	2.477	-	-	-	0.165	15	2.477	
1b / SPCOM Enterprise Segment Capabilities			-	-	1.836	-	-	-	-	-	0.108	-	-	0.110	-	-	-	-	-	0.110	
1c / SPCOM Enterprise Segment Capabilities - Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	2.012	-	-	-	-	-	2.052	-	-	2.052	
1d / SPCOM Base End Segment Capabilities			-	-	1.357	-	-	-	-	-	0.097	-	-	4.349	-	-	-	-	-	4.349	
Subtotal: 1. Special Communication (SPCOM) Enterprise			-	-	13.384	-	-	3.064	-	-	4.976	-	-	6.936	-	-	2.052	-	-	8.988 ⁽¹⁾	
2. Satellite Deployable Node (SDN)																					
2a / SDN-H Hardware Heavy - Capital Equipment Replacement Program (CERP)			-	-	54.983	1.009	14	14.123	1.016	9	9.140	1.078	7	7.543	-	-	-	1.078	7	7.543	
2b / SDN-H Hardware Replacement - (OCO)			-	-	-	-	-	-	1.300	1	1.300	-	-	-	-	-	-	-	-	-	
2c / SDN Medium Hardware - CERP			-	-	146.556	0.428	7	3.000	0.318	65	20.659	0.327	36	11.771	-	-	-	0.327	36	11.771	
2d / SDN Medium Hardware - Replacement - OCO			-	-	-	0.581	5	2.906	-	-	-	-	-	-	-	-	-	-	-	-	
2e / SDN Light Hardware - CERP			-	-	106.840	0.141	350	49.381	0.142	302	42.854	0.151	178	26.872	-	-	-	0.151	178	26.872	
2f / SDN Light Hardware - Replacement - OCO			-	-	-	0.315	4	1.260	0.143	24	3.440	-	-	-	-	-	-	-	-	-	
2g / Predator Receive Terminal (PRT)-CERP			-	-	9.773	2.167	3	6.500	2.206	3	6.618	-	-	-	-	-	-	-	-	-	
2h / Full Motion Video (FMV) - Evolutionary Technology Insertion (ETI) - CERP			-	-	4.771	-	-	-	-	-	1.135	-	-	1.159	-	-	-	-	-	1.159	
2i / Extension Package - CERP			-	-	2.333	0.364	3	1.093	-	-	1.065	-	-	0.908	-	-	-	-	-	0.908	
2j / Extension Package OCO			-	-	-	-	-	-	-	-	0.281	-	-	-	-	-	0.288	-	-	0.288	

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M									Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
2k / Comms-On-the-Move - ETI			-	-	9.044	-	-	1.131	-	-	12.989	-	-	7.298	-	-	-	-	-	7.298
2l / Comms-On-the-Move - ETI - CERP			-	-	3.036	-	-	1.654	-	-	2.132	-	-	0.778	-	-	-	-	-	0.778
2m / Comms-On-the-Move - OCO			-	-	7.280	-	-	-	-	-	0.516	-	-	-	-	-	0.525	-	-	0.525
2n / Light Vx Variant - CERP			-	-	6.592	0.100	50	4.993	0.099	42	4.165	0.101	42	4.246	-	-	-	0.101	42	4.246
2o / KuSS Ingest Hub - CERP			-	-	20.633	1.650	5	8.252	1.976	4	7.903	-	-	-	-	-	-	-	-	-
2p / SOCOM Strategic Entry Point (SSEP)			-	-	-	-	-	-	-	-	-	-	-	0.267	-	-	-	-	-	0.267
2q / Prior Year Funding			-	-	137.891	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2r / Prior Year Funding - OCO			-	-	38.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2. Satellite Deployable Node (SDN)			-	-	548.232	-	-	94.293	-	-	114.197	-	-	60.842	-	-	0.813	-	-	61.655 ⁽²⁾
3. SCAMPI																				
3a / Special Purpose Processing Node - CERP			-	-	2.135	0.626	2	1.252	0.766	1	0.766	0.779	1	0.779	-	-	-	0.779	1	0.779
3b / Installation Gateway (New)			-	-	25.920	1.261	1	1.261	0.919	1	0.919	0.933	1	0.933	-	-	-	0.933	1	0.933
3c / Installation Gateway - CERP			-	-	38.452	0.770	18	13.864	1.171	9	10.537	1.632	9	14.689	-	-	-	1.632	9	14.689 ⁽⁹⁾
3d / Installation Gateway - CERP OCO			-	-	-	-	-	-	1.227	7	8.588	-	-	-	1.728	5	8.640	1.728	5	8.640
3e / Strategic Installation Gateway - CERP			-	-	23.771	5.599	1	5.599	8.935	1	8.935	9.071	1	9.071	-	-	-	9.071	1	9.071
3f / Global Messaging/Counter Messaging - Software/Hardware			-	-	-	1.000	1	1.000	-	-	-	-	-	-	-	-	-	-	-	-
3g / Airborne ISR - Transport Manned/Unmanned Hubs			-	-	-	-	-	-	-	-	-	1.925	9	17.328 ⁽¹⁰⁾	-	-	-	1.925	9	17.328
3h / Prior Year Funding			-	-	2.313	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3. SCAMPI			-	-	92.591	-	-	22.976	-	-	29.745	-	-	42.800	-	-	8.640	-	-	51.440
4. Weapons																				
4a / Rifle - Upper Receiver Group (URG)			-	-	9.574	0.006	1,340	8.038	0.008	980	8.144	0.010	508	5.081	-	-	-	0.010	508	5.081

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M									Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
4b / Sniper Rifle - MK 13			-	-	0.405	0.008	91	0.728	-	-	-	-	-	-	-	-	-	-	-	-
4c / Sniper Rifle - MK 15			-	-	2.079	0.008	69	0.552	0.008	20	0.160	0.008	76	0.604	-	-	-	0.008	76	0.604
4d / Advanced Sniper Rifle (ASR)			-	-	-	0.008	25	0.200	0.010	450	4.500	0.012	303	3.633	-	-	-	0.012	303	3.633
4e / Machine Gun - MK 44			-	-	6.166	0.120	38	4.548	0.126	10	1.260	-	-	-	-	-	-	-	-	-
4f / Machine Gun - MK 46 - Overseas Contingency Operations (OCO)			-	-	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4g / Handgun - Glock 19			-	-	7.725	0.001	561	0.561	0.002	762	1.523	0.002	298	0.595	-	-	-	0.002	298	0.595
4h / Range Equipment			-	-	3.134	-	-	0.799	-	-	1.357	-	-	1.548	-	-	-	-	-	1.548
4i / Air National Guard (ANG) Equipment - Congressional Interest Item			-	-	0.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4j / Prior Year Funding			-	-	22.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4. Weapons			-	-	52.860	-	-	15.426	-	-	16.944	-	-	11.461	-	-	-	-	-	11.461
5. Tactical Combat Casualty Care (TCCC)																				
5a / Casualty Evacuation (CASEVAC) Sets			-	-	19.032	0.172	28	4.813	0.179	7	1.255	0.172	6	1.031	-	-	-	0.172	6	1.031
5b / CASEVAC Sets - OCO			-	-	15.491	0.172	66	11.352	0.173	9	1.561	-	-	-	0.173	9	1.561	0.173	9	1.561
5c / ANG Equipment - Congressional Interest Item			-	-	1.344	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5d / Production Support			-	-	0.419	-	-	0.049	-	-	0.023	-	-	0.053	-	-	-	-	-	0.053
5e / Production Support - OCO			-	-	0.381	-	-	0.055	-	-	-	-	-	-	-	-	-	-	-	-
5f / Air National Guard (ANG) Equipment - Congressional Interest Item			-	-	0.157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5. Tactical Combat Casualty Care (TCCC)			-	-	36.824	-	-	16.269	-	-	2.839	-	-	1.084	-	-	1.561	-	-	2.645
6. Personal Signature Management (PSM)																				
6a / PSM System			-	-	-	-	-	-	0.000	120	0.059	-	-	-	-	-	-	-	-	-
Subtotal: 6. Personal Signature Management (PSM)			-	-	-	-	-	-	-	-	0.059	-	-	-	-	-	-	-	-	-
7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)																				

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M								Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
7a / RC-IED Device (11)			-	-	74.726	0.147	222	32.634	0.252	51	12.842	0.195	61	11.895	-	-	-	0.195	61	11.895
7b / Ancillary Equipment (12)			-	-	13.061	-	-	1.617	-	-	0.518	-	-	1.308	-	-	-	-	-	1.308
7c / Ancillary Equipment - OCO (13)			-	-	2.911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7d / Prior Year Funding			-	-	5.676	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7e / Prior Year Funding - OCO *(includes prior year support funding from P5 in 19PBR exhibit)			-	-	14.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED)			-	-	110.374	-	-	34.251	-	-	13.360	-	-	13.203	-	-	-	-	-	13.203 (3)
8. Counter Unmanned Aircraft System (C-UAS)																				
8a / C-UAS Ancillary Equipment (OCO) (14)			-	-	-	-	-	-	-	-	1.798	-	-	-	-	-	1.602	-	-	1.602
8b / C-UAS Devices (OCO) (15)			-	-	-	-	-	-	-	-	11.202	-	-	-	-	-	10.955	-	-	10.955
8c / C-UAS Passive Detection (Acoustic) (16)			-	-	-	0.275	19	5.230	-	-	-	-	-	-	-	-	-	-	-	-
8d / C-UAS Passive Detection (Optic) (17)			-	-	-	0.545	6	3.270	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8. Counter Unmanned Aircraft System (C-UAS)			-	-	-	-	-	8.500	-	-	13.000	-	-	-	-	-	12.557	-	-	12.557 (4)
9. Visual Augmentation Systems (VAS) - Optics																				
9a / Binocular Night Vision Devices (NVD) - AN/PVS-31			-	-	68.284	0.007	695	4.865	0.007	394	2.758	0.007	1,000	7.000	-	-	-	0.007	1,000	7.000
9b / Binocular NVD - Battery Packs & Single Power Cables			-	-	-	0.001	600	0.600	-	-	-	-	-	-	-	-	-	-	-	-
9c / Binocular NVD - Battery Packs & Dual Power Cables			-	-	-	0.001	111	0.111	-	-	-	-	-	-	-	-	-	-	-	-
9d / Clip On Thermal Imagers (COTI) - AN/PAS-29			-	-	16.848	0.006	200	1.200	0.008	333	2.664	0.008	200	1.600	-	-	-	0.008	200	1.600
9e / Clip On Short Wave Infrared Imager (COSI) AN/PAS-34			-	-	-	0.016	105	1.680	0.017	149	2.533	0.016	60	0.960	-	-	-	0.016	60	0.960

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M									Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
9f / INOD - SU-280/P - OCO			-	-	7.980	0.046	71	3.238	-	-	-	-	-	-	-	-	-	-	-	-
9g / Hand Held Imager (HHI) - Mini Long-Range AN/ PAS-33			-	-	14.280	0.075	30	2.250	0.075	10	0.750	-	-	-	-	-	-	-	-	-
9h / HHI - Dongles			-	-	-	0.001	53	0.053	-	-	-	-	-	-	-	-	-	-	-	-
9i / Enhanced Combat Optical Sight (ECOS)			-	-	21.993	-	-	-	0.000	4,490	1.222	-	-	-	-	-	-	-	-	-
9j / S-VPS (SFP) SU-293/PVS			-	-	-	0.002	6,794	13.588	-	-	-	0.002	2,076	4.152	-	-	-	0.002	2,076	4.152
9k / S-VPS (FFP) SU-294/PVS			-	-	-	0.003	124	0.372	-	-	-	0.003	1,014	3.042	-	-	-	0.003	1,014	3.042
9l / SU-91/PVS Day Optics Handgun Reflex Sight (HRS)			-	-	-	0.001	421	0.421	0.000	1,800	0.633	0.001	1	0.001	-	-	-	0.001	1	0.001
9m / Miniature Aiming System Day Optics (Scopes)			-	-	-	-	-	-	0.002	6,517	13.034	-	-	-	-	-	-	-	-	-
9n / Close Quarter Sight (CQS) SU-292/ PVS Clip-on-Magnifier (COM)			-	-	-	0.001	750	0.381	-	-	-	-	-	-	-	-	-	-	-	-
9o / Ancillary Items			-	-	-	-	-	0.671	-	-	-	-	-	-	-	-	-	-	-	-
9p / Production Support			-	-	-	-	-	1.630	-	-	-	-	-	-	-	-	-	-	-	-
9q / New Equipment Training			-	-	-	-	-	2.044	-	-	-	-	-	-	-	-	-	-	-	-
9r / Prior Year Funding			-	-	31.244	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9s / Prior Year Funding - OCO			-	-	24.041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9t / Prior Year Funding - Congressional Add			-	-	10.540	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9. Visual Augmentation Systems (VAS) - Optics			-	-	195.210	-	-	33.104	-	-	23.594	-	-	16.755	-	-	-	-	-	16.755 ⁽⁵⁾
10. Visual Augmentation Systems (VAS) - Lasers																				
10a / ATPIAL Squad Aiming Laser LA-23 PEQ			-	-	-	0.002	9,915	15.796	0.002	2,700	5.400	0.002	2,300	4.600	-	-	-	0.002	2,300	4.600
10b / ATPIAL Precision Aiming Laser			-	-	-	0.012	807	9.684	0.013	160	2.080	0.015	35	0.525	-	-	-	0.015	35	0.525

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M								Aggregated Items Title: WARRIOR SYSTEMS <\$5M					
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
10c / ATPIAL Handgun Aiming Laser			-	-	-	-	-	-	0.002	284	0.568	0.002	56	0.112	-	-	-	0.002	56	0.112
10d / ATPIAL Ranging Aiming Laser			-	-	-	0.002	2,230	4.460	0.002	1,100	2.200	0.002	350	0.700	-	-	-	0.002	350	0.700
10e / Small Target Location Device			-	-	4.182	0.109	37	4.033	-	-	-	0.090	45	4.050	-	-	-	0.090	45	4.050
10f / Thermal Beacon			-	-	-	-	-	-	0.009	450	4.050	-	-	-	-	-	-	-	-	-
10g / Prior Year Funding			-	-	38.702	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10h / Prior Year Funding - OCO			-	-	0.665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10. Visual Augmentation Systems (VAS) - Lasers			-	-	43.549	-	-	33.973	-	-	14.298	-	-	9.987	-	-	-	-	-	9.987 ⁽⁶⁾
11. Visual Augmentation Systems (VAS) - Simulators																				
11a / VAS Simulators Immersive			-	-	-	-	-	-	2.200	3	6.600	-	-	-	-	-	-	-	-	-
11b / VAS Simulators Deployable			-	-	-	0.100	11	1.100	0.104	6	0.624	0.104	11	1.142	-	-	-	0.104	11	1.142
11c / VAS Simulators Classroom			-	-	-	-	-	-	1.734	3	5.203	-	-	-	-	-	-	-	-	-
Subtotal: 11. Visual Augmentation Systems (VAS) - Simulators			-	-	-	-	-	1.100	-	-	12.427	-	-	1.142	-	-	-	-	-	1.142 ⁽⁷⁾
12. SOF Tactical Communications																				
12a / Handheld			-	-	2.540	-	-	-	0.013	167	2.183	-	-	-	-	-	-	-	-	-
12b / Handheld Link-16 ⁽¹⁸⁾			-	-	9.200	0.031	768	23.986	0.037	71	2.658	0.037	286	10.600	-	-	-	0.037	286	10.600
12c / Handheld Link-16 OCO			-	-	-	-	-	-	0.037	184	6.814	-	-	-	0.037	188	6.950	0.037	188	6.950
12d / Handheld Link-16 (Congressional Add)			-	-	-	0.037	345	12.800	-	-	-	-	-	-	-	-	-	-	-	-
12e / Handheld - CERP ⁽¹⁹⁾			-	-	54.333	0.011	9,772	106.572	0.013	96	1.252	0.013	2,254	29.298	-	-	-	0.013	2,254	29.298
12f / Handheld Combatant Craft Assault (CCA) GFE			-	-	-	0.017	12	0.201	0.013	19	0.251	-	-	-	-	-	-	-	-	-
12g / Manpack - CERP ⁽²⁰⁾			-	-	33.570	0.032	1,313	42.020	0.034	1,930	65.633	0.034	1,308	44.499	-	-	-	0.034	1,308	44.499
12h / High Frequency - CERP			-	-	14.866	0.013	355	4.620	0.013	329	4.278	0.013	330	4.286	-	-	-	0.013	330	4.286
12i / Prior Year Funding			-	-	0.620	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command																Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M						Aggregated Items Title: WARRIOR SYSTEMS <\$5M									
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total			
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	
12j / Prior Year Funding - OCO			-	-	1.678	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12j / Prior Year Funding - Congressional Add			-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 12. SOF Tactical Communications			-	-	121.807	-	-	190.199	-	-	83.069	-	-	88.683	-	-	6.950	-	-	95.633 ⁽⁸⁾	
13. Radio Integration System																					
13a / Multi-Band Radio Transit Case			-	-	5.116	0.188	24	4.508	0.174	10	1.744	0.172	9	1.547	-	-	-	0.172	9	1.547	
13b / Multi-Band Radio Transit Case - OCO			-	-	-	0.239	6	1.434	-	-	-	-	-	-	-	-	-	-	-	-	
13c / High Frequency Transit Case			-	-	1.176	0.121	8	0.966	0.127	10	1.266	0.129	7	0.906	-	-	-	0.129	7	0.906	
13d / High Frequency Transit Case - OCO			-	-	-	0.219	4	0.878	-	-	-	-	-	-	-	-	-	-	-	-	
13e / Mobile Base Station			-	-	0.897	-	-	-	0.196	5	0.982	0.186	5	0.933	-	-	-	0.186	5	0.933	
13f / Ancillary Items			-	-	-	-	-	-	-	-	0.331	-	-	-	-	-	-	-	-	-	
13g / Prior Year Funding			-	-	16.152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 13. Radio Integration System			-	-	23.341	-	-	7.786	-	-	4.323	-	-	3.386	-	-	-	-	-	3.386	
14. Blue Force Tracking																					
14a / SHOUT-TS1			-	-	0.769	-	-	-	0.001	100	0.100	0.001	122	0.122	-	-	-	0.001	122	0.122	
14b / Cottonmouth			-	-	2.250	0.008	68	0.572	-	-	-	-	-	-	-	-	-	-	-	-	
14c / Riverjack Tracker (RJT)			-	-	11.070	0.008	855	6.775	0.008	160	1.280	0.008	154	1.231	-	-	-	0.008	154	1.231	
14d / Lightning Bolt Handheld (LBHH)			-	-	0.159	0.010	16	0.156	0.010	16	0.156	0.010	15	0.156	-	-	-	0.010	15	0.156	
14e / SHOUT-TS1S			-	-	-	0.003	627	1.841	0.003	500	1.514	0.003	493	1.478	-	-	-	0.003	493	1.478	
14f / Sand Dollar			-	-	-	-	-	-	0.002	67	0.111	0.003	31	0.092	-	-	-	0.003	31	0.092	
14g / Prior Year			-	-	1.218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 14. Blue Force Tracking			-	-	15.466	-	-	9.344	-	-	3.161	-	-	3.079	-	-	-	-	-	3.079	
15. Mission Command System Common Operational Picture (MCS/COP)																					
15.1 / Mission Command System Common Operational Picture (MCS/COP) Enterprise System ⁽²¹⁾			-	-	-	-	-	-	-	-	-	-	-	1.375	-	-	-	-	-	1.375	

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4							P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M							Aggregated Items Title: WARRIOR SYSTEMS <\$5M						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Subtotal: 15. Mission Command System Common Operational Picture (MCS/COP)			-	-	-	-	-	-	-	-	-	-	-	1.375	-	-	-	-	-	1.375
Total			-	-	1,253.638	-	-	470.285	-	-	335.992	-	-	260.733	-	-	32.573	-	-	293.306
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				
Footnotes:																				
(1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing procurement quantities by one SDN-Heavy hardware CERP, 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP (-\$0.640 million).																				
(2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by one SDN-Heavy hardware CERP, 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP (-\$16.972 million).																				
(3) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement of and contract support efforts for ancillary equipment which includes Modi Vehicle Power Modules (VPM), Modi backpacks and Egon Master Modules (-\$0.428 million).																				
(4) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities and contract support efforts for various C-UAS devices and ancillary equipment (-\$0.443 million).																				
(5) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by 194 Binocular Night Vision Devices (NVD) - AN/PVS-31, 133 Clip On Thermal Imagers (COTI) - AN/PVS-29, 89 Clip On Short Wave Infrared Imager (COSI) AN/PAS-34, 10 Hand Held Imager (HHI), Mini Long-Range AN/PAS-33, 924 S-VPS (SFP) SU-293/PVS, 1,810 S-VPS (FFP) SU-294/PVS, and 199 SU-91/PVS Day Optics Handgun Reflex Sight (HRS) (-\$6.622 million).																				
(6) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by 400 ATPIAL Squad Aiming Lasers LA-23 PEQ, 118 ATPIAL Precision Aiming Lasers, 228 ATPIAL Handgun Aiming Lasers, 750 ATPIAL Ranging Aiming Lasers, and 450 Thermal Beacons (-\$4.528 million).																				
(7) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities for various VAS-Simulators (-\$1.370 million).																				
(8) FY21 Program net increase of \$12.564 million is primarily due to functionally aligning \$5.614 million for joint operational stock equipment and additional \$6.950 million OCO to Base for Enduring Requirement for CERP of Hand Held Link 16 radios.																				
(9) FY21 increase is due the increased component life cycle replacement (\$4.152 million).																				
(10) FY21 Program increase due to functionally aligning AISR-T funding for procurement of AISR Manned/Unmanned Hubs requirements (\$17.328 million).																				
(11) Unit Cost for FY19 lowered to \$0.147 million per system due to SOCOM/Army/OGA total purchase of 770 Modi systems within 90 day ordering window. Unit Cost for FY20/21 factors in continued strategic partner alliance with SOCOM/Army/OGA achieving step-ladder pricing cost savings, although smaller quantities than FY19.																				
(12) Ancillary equipment includes Modi Vehicle Power Modules, Modi backpacks, and a third-party module (Special Application Module).																				
(13) OCO Ancillary equipment includes Modi Vehicle Power Modules (VPM) and Modi backpacks.																				
(14) Ancillary equipment includes, but not limited to: cables, antennas, mounting hardware, containers for storage and shipping.																				
(15) Procurement of C-UAS devices (to include, but not limited to: passive/active mounted, dismounted (hand-held, man-portable) and expeditionary fixed site. Quantities will be determined via successful Combat Evaluations (CV) that result in a formal follow-on enterprise C-UAS requirement to procure and field "best of breed" solutions via an official Program of Record to be established 1QFY21.																				
(16) FY19 funding supported Combat Evaluations of commercially available C-UAS Passive Detection systems (acoustic panels) to fill an operational deficiency of force protection for expeditionary fixed site operations in hostile and denied environments. Lessons learned will inform follow-on enterprise C-UAS requirements to procure and field "best of breed" solutions.																				
(17) FY19 funding supported Combat Evaluations of commercially available C-UAS Active Detection systems (EO/IR Optic) to fill an operational deficiency of force protection for expeditionary fixed site operations in hostile and denied environments. Lessons learned will inform follow-on enterprise C-UAS requirements to procure and field "best of breed" solutions.																				
(18) FY21 increase is for the accelerated procurement of Handheld Link 16 radios (\$7.942 million).																				
(19) FY21 increase is to accelerate the CERP of Handheld radios (\$28.046 million).																				
(20) FY21 decrease is due to the rebaselining of Manpack (MP) radio CERP as a result of accelerated purchase of MPs in FY20 (-\$21.134 million).																				
(21) MCS/COP includes but not limited to server racks, laptops, various hardware, etc.																				

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 0000												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	505.622	29.408	29.702	19.848	10.000	29.848	20.513	20.938	21.426	21.855	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	505.622	29.408	29.702	19.848	10.000	29.848	20.513	20.938	21.426	21.855	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	505.622	29.408	29.702	19.848	10.000	29.848	20.513	20.938	21.426	21.855	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: The Combat Mission Requirements line item procures emergent critical equipment shortfalls that must be rapidly fielded to Special Operations Forces operators in the field to conduct combat missions. These equipment shortfalls are identified by Geographical Combatant Commanders (GCCs) and validated and approved by United States Special Operations Command (USSOCOM) as a Combat Mission Needs Statement (CMNS). Each requirement is vetted through a rigorous USSOCOM process and must meet the following criteria: provide force protection to troops or ensure mission success. Equipment purchased under the CMNS umbrella include, but are not limited to, radios, intelligence equipment, unmanned aerial vehicles, blast and ballistic protected tactical vehicles, ammunition, weapons, aircraft defensive systems, night vision devices, and aircraft precision strike systems. USSOCOM submits an annual report to Congress that describes the CMNS that were approved during the current fiscal year. This P-1 line item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$10.000 million) and FY 2020 (\$10.000 million) for Direct War Costs. FY 2021 funding includes OCO for Direct War Costs (\$10.000 million)												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command								Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs						P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS				
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 0000										
Exhibits Schedule					Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-40a	Combat Mission Requirements				- / 505.622	- / 29.408	- / 29.702	- / 19.848	- / 10.000	- / 29.848
P-40	Total Gross/Weapon System Cost				- / 505.622	- / 29.408	- / 29.702	- / 19.848	- / 10.000	- / 29.848
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p>Justification:</p> <p>FY 2021 PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by GCCs, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by GCCs for contingency operations, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.</p>										

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command															Date: February 2020					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4						P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS						Aggregated Items Title: Combat Mission Requirements								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2019			FY 2020			FY 2021 Base			FY 2021 OCO			FY 2021 Total		
			Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Combat Mission Needs Requirements																				
1 / Critical Emergent Combat Mission Need			-	-	0.042	-	-	-	-	-	10.561	-	-	19.848	-	-	-	-	-	19.848
2 / Critical Emergent Combat Mission Need - Overseas Contingency Operations (OCO)			-	-	-	-	-	-	-	-	10.000	-	-	-	-	-	10.000	-	-	10.000
Subtotal: Combat Mission Needs Requirements			-	-	0.042	-	-	-	-	-	20.561	-	-	19.848	-	-	10.000	-	-	29.848
Remote and Assist Virtual Accompany Kits (RAA-VAK)																				
RAA-VAK			-	-	3.809	-	-	0.494	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Remote and Assist Virtual Accompany Kits (RAA-VAK)			-	-	3.809	-	-	0.494	-	-	-	-	-	-	-	-	-	-	-	-
Communication Systems																				
1 / Hand Held Radios			-	-	-	-	-	0.919	-	-	-	-	-	-	-	-	-	-	-	-
2 / Manpack Radios			-	-	-	-	-	1.186	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Communication Systems			-	-	-	-	-	2.105	-	-	-	-	-	-	-	-	-	-	-	-
Mission Specific Munitions																				
SOF Peguliar Munitions			-	-	-	0.010	35	0.350	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Mission Specific Munitions			-	-	-	-	-	0.350	-	-	-	-	-	-	-	-	-	-	-	-
AC-130 J Advanced Missile Warning System																				
A kits and B kits			-	-	-	1.477	6	8.859	1.524	6	9.141	-	-	-	-	-	-	-	-	-
Subtotal: AC-130 J Advanced Missile Warning System			-	-	-	-	-	8.859	-	-	9.141	-	-	-	-	-	-	-	-	-
Synthetic Aperture Radar																				
Synthetic Aperture Radar Systems			-	-	-	-	-	7.600	-	-	-	-	-	-	-	-	-	-	-	-
Synthetic Aperture Radar Systems OCO			-	-	-	-	-	10.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Synthetic Aperture Radar			-	-	-	-	-	17.600	-	-	-	-	-	-	-	-	-	-	-	-
Prior Year Costs																				
1 / Prior Year Costs			-	-	501.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Prior Year Costs			-	-	501.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	505.622	-	-	29.408	-	-	29.702	-	-	19.848	-	-	10.000	-	-	29.848
Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.																				

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							P-1 Line Item Number / Title: 0607GVAS / GLOBAL VIDEO SURVEILLANCE ACTIVITIES					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	71.655	6.281	4.787	2.401	-	2.401	2.472	2.534	2.617	2.130	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	71.655	6.281	4.787	2.401	-	2.401	2.472	2.534	2.617	2.130	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	71.655	6.281	4.787	2.401	-	2.401	2.472	2.534	2.617	2.130	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: This P-1 line item is part of the Military Intelligence Program. Details provided under separate cover.</p> <p>For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the Global Video Surveillance Activities (GVSA) (details provided under separate cover) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$2.000 million).</p>												
<p>Justification: Details provided under separate cover.</p>												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							P-1 Line Item Number / Title: 0607OEI / OPERATIONAL ENHANCEMENTS INTELLIGENCE					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	350.099	29.183	15.769	13.861	6.724	20.585	20.333	20.603	20.930	21.348	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	350.099	29.183	15.769	13.861	6.724	20.585	20.333	20.603	20.930	21.348	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	350.099	29.183	15.769	13.861	6.724	20.585	20.333	20.603	20.930	21.348	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Description: This P-1 line item is part of the Military Intelligence Program. This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$10.805 million) and FY 2020 (\$7.594 million). FY 2021 funding includes OCO for Enduring Requirements (\$6.724 million).												
Justification: This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command										Date: February 2020		
Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs							P-1 Line Item Number / Title: 2143369000 / OPERATIONAL ENHANCEMENTS					
ID Code (A=Service Ready, B=Not Service Ready):				Program Elements for Code B Items: N/A				Other Related Program Elements: 1160408BB				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	6,238.022	468.739	327.726	247.038	53.264	300.302	292.948	304.344	325.567	333.722	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	6,238.022	468.739	327.726	247.038	53.264	300.302	292.948	304.344	325.567	333.722	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	6,238.022	468.739	327.726	247.038	53.264	300.302	292.948	304.344	325.567	333.722	Continuing	Continuing
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
<p>Description: Details provided under separate cover. This P-1 Line Item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$141.850 million) and FY 2020 (\$45.194 million). FY 2021 funding includes OCO Direct War Costs (\$12.580 million) and OCO for Enduring Requirements (\$40.684 million).</p> <p>For the Defense Wide Review (DWR), US Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing the Operational Enhancements program (Details provided under a separate cover) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$6.802 million).</p>												
<p>Justification: Details provided under separate cover.</p>												

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED